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May 2, 2019

Mr. Jeff Thomas
Remedial Project Manager
U.S. Environmental Protection Agency Region III
Hazardous Site Cleanup Division, 3HS23
1650 Arch Street
Philadelphia, PA 19103

Re: Responses to EPA's April 12, 2019, Comments on the Quarterly Progress Reports for the Avtex Fibers Superfund Site for the Periods 1 July to 30 September and 1 October to 31 December 2018, dated December 17, 2018 and February 8, 2019 Respectively, Front Royal, Virginia

Dear Mr. Thomas:

FMC Corporation (FMC) has prepared this response to the EPA's correspondence Quarterly Progress Reports for the Avtex Fibers Superfund Site for the Periods 1 July to 30 September and 1 October to 31 December 2018, dated December 17, 2018 and February 8, 2019 Respectively, Front Royal, Virginia, dated April 12, 2019. The Avtex Fibers Superfund Site, located at 404 Kendrick Lane, Front Royal, Virginia (Site). For ease of review, EPA's comments are reiterated followed by FMC's response in italics

General Comments:

EPA has reviewed the Operation and Maintenance Report from 2017 as well as the Quarterly Progress Reports for 2017 and 2018 and believes that differential settlement has occurred in at least two areas of VB 9. Furthermore, the differential settlement appears to have persisted after the built up and re-seeding work that took place in the summer of 2017, as seen by the continued ponding of water noted in the 2018 Quarterly reports.

The May 2015 Operation and Maintenance Plan, Section 4.1 Settlement states that "Settled areas of the cover system where visible evidence of water ponding exists will be built up and re-seeded as necessary." Additionally, "If evidence of differential settlement continues, the designated Virginia-licensed professional engineer will conduct an investigation of the problem and will prepare a recommended corrective action plan." EPA believes that evidence of differential settlement is being observed in at least 2 areas of VB 9. Furthermore, EPA believes that differential settlement may be occurring in 2 areas of VB 10 and near the outlet of SB-3. Again, this is based on the site inspections documented in the 2018 quarterly reports.

Therefore, EPA requests that FMC prepare and submit a corrective action plan to address the differential settlement occurring with the cap at VB 9 and other areas. The repairs to the cap might be considered Category 3 repairs that require EPA approval. Based on a cursory review of the 2019 Quarter 1 Report it appears that FMC is moving forward with repairs to the cap to correct differential settlement. Please provide EPA with the scope of those repairs in the form of a corrective action plan before they are implemented.

RESPONSE: *The basin settlement repair scope of work will be submitted to the EPA as a separate correspondence.*

Mr. Jeff Thomas
USEPA
May 2, 2019
Page 2

Comments on Quarterly Progress Reports for the Avtex Fibers Superfund Site for the Periods 1 July to 30 September 2018, dated December 17, 2018.

1. Section 2.1 Actions Taken and Reports Prepared in Previous Period, Bullet 4:

Statement reads, "Completed the annual post-closure OU-7 and site perimeter air sampling as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site; the results from the sampling are currently being validated and will be provided in a future report."

This information was not included in the Quarterly Progress Report for the Avtex Fibers Superfund Site for the Period 1 October to 31 December 2018, dated February 8, 2019. Are these sampling results still being validated and when can EPA expect submission of the results?

RESPONSE: The laboratory analytical report, validation memo, and air monitoring results table are included with the revised Quarterly Progress Report for the Periods 1 July to 30 September 2018, dated December 17, 2018, REISSUED MAY 2019.

2. Section 2.3, Actions to be Completed Next Period, Page 5:

Statement reads "Next Period Complete quarterly water level measurements as described in Section 2 of the GMP (September)." I believe this should read (December). Please review and revise if needed.

RESPONSE: Correction made and revised Quarterly Report for Period 1 July to 30 September 2018, dated December 17, 2018, REISSUED MAY 2019.

Comments on Quarterly Progress Reports for the Avtex Fibers Superfund Site for the Periods 1 October to 31 December 2018, dated February 8, 2019.

3. Section 1.0 Introduction, Page 2: Statement reads "The remainder of the quarterly progress report is divided into seven section..." The report then lists six sections 2-7. Please review and revise if needed.

RESPONSE: Correction made and revised Quarterly Report for Periods 1 October to 31 December 2018, REISSUED MAY 2019.

Should you have questions or comments, please feel free to contact me at 215-299-6210.

Sincerely,



Brian McGinnis
Senior Remediation Manager

cc: H. Philip, Parsons
C. Jaynes, Parsons
M. Robinson, Parsons

QUARTERLY PROGRESS REPORT
for the Avtex Fibers Superfund Site, Front Royal, Virginia
for the Period October 1 to December 31, 2018
REVISION I - REISSUED MAY 2019

1.0

INTRODUCTION

FMC Corporation (FMC) has conducted removal and remedial activities at the Avtex Fibers Superfund Site, Front Royal, Virginia (Site). The removal action, remedial design, and remedial action activities were performed pursuant to the 1999 Consent Decree between the United States of America and FMC Corporation (effective 21 October 1999).

On August 29, 2014, USEPA issued a document titled, "Superfund Preliminary Close-out Report," which documented construction completion at the Site. The completion of construction at the Site marked its transition into the O&M phase. Full-scale operations and maintenance were achieved when the Groundwater and Leachate Treatment Plant (GLTP) began operating in continuous biological mode in September 2015. During the September 8, 2014 monthly call between EPA and FMC, EPA agreed that the former monthly progress reporting for the site could be reduced to quarterly during O&M phase as specified in paragraph 45 in Consent Decree. In accordance with Section XI, Paragraph 45 of the Consent Decree, FMC has prepared this quarterly progress report to describe actions taken pursuant to both the Areas of Concern (AOC) and Consent Decree during the months of October, November, and December 2018.

This report includes progress towards full completion of removal and remedial activities and follows formatting consistent with previous reports. Daily operations and maintenance activities will be ongoing and will follow requirements in the Site-Wide O&M Plan (FMC, May 2015), which will include the Operations and Maintenance Manual Groundwater and Leachate Treatment Plant (Parsons, May 2015), and the Operations, Maintenance and Monitoring Manual Groundwater and Leachate Extraction System (Parsons, May 2015) with any major deviations reported in the sections below. The Site-Wide O&M Plan replaces prior response action specific O&M Plans, such as those presented in the various design documents.

In accordance with Section XI of the Consent Decree, this quarterly progress report contains the following:

- Description of actions taken during the previous quarter (October, November, and December 2018);
- Summary of data generated by FMC during the previous quarter;
- Actions scheduled for the next quarter;
- Description of problems and actions taken to mitigate the problems;
- Update on the schedule of actions and percentage completion of tasks;
- Modification to the Work Plans or other schedules; and
- Activities undertaken in support of the EPA Community Relations Plan.

Attachment 1 lists correspondence and deliverables transmitted from FMC or FMC contractors to EPA, and from EPA or EPA contractors to FMC for the previous quarter.

The remainder of the quarterly progress report is divided into six sections (these sections will be removed and updated when actions are completed for the section):

- *Section 2.0 – OU-7/ROD 5 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 23 in the Consent Decree. The units covered under OU-7 include Viscose Basins (VB) 9-11, site-wide ground water and surface water.
- *Section 3.0 – OU-10/ROD 4 RD/RA.* This section describes remedial design and remedial action activities being conducted under Paragraph 24 in the Consent Decree. The units covered under OU-10 include VB 1-8, the New Landfill, Wastewater Treatment Plant (WWTP) Closure, and Plant Area Soils.
- *Section 4.0 - NON-TIME-CRITICAL REMOVAL ACTIONS (NTCRA) - Basin Closure.* This section describes the activities being conducted as a NTCRA under Paragraph 22 of the Consent Decree. The scope of this action consists of the closure of the Sulfate Basins, WWTP Basins, Fly Ash Basins, and the Stockpile (Mountain).
- *Section 5.0 – Groundwater and Leachate Treatment Plant O&M.* This section describes the Operations and Maintenance (O&M) activities being conducted to address the discharge requirements for the GLTP.

- *Section 6.0 - Other Site Support Documents.* This section describes site-wide activities that cross over all of management units.
- *Section 7.0 – Community Relations Support.* This section describes activities undertaken in support of community relations in accordance with the Consent Decree requirement.

2.0 OU-7/ROD 5 (VB 9-11, GROUND WATER, SURFACE WATER) REMEDIAL DESIGN/REMEDIAL ACTION

2.1 Actions Taken and Reports Prepared in Previous Period

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan. The results are presented in Attachment 4.
- Completed quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject “Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015).”
- Completed quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011. The results are presented in Attachment 2.
- Collected annual samples from low recharge wells 215 and 306 using low flow sampling method for comparison with previously collected no-purge samples.
- The fourth quarter water level measurements as described in Section 2 of the GMP were collected in late November.

2.2 Data Generated in Previous Period

As required by the Air Monitoring Plan, post construction quarterly air monitoring for hydrogen sulfide and organic vapor was completed. The results and a map showing the sample locations is provided in Attachment 2. No hydrogen sulfide or volatile organic compounds (VOCs) were detected at any of the monitoring locations.

The following instruments were utilized to collect the real-time readings:

- Hydrogen Sulfide: Jerome 613X.

- Organic Vapor: MiniRAE 3000

2.3

Actions to be Completed Next Period

- Complete quarterly water level measurements as described in Section 2 of the GMP (March).
- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete quarterly monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Complete quarterly post-closure OU-7 and site perimeter real time air monitoring as required by Section 2.2 of the Air Monitoring Plan Operable Unit 7, Avtex Fibers Superfund Site, Front Royal, Virginia, October 2011.

2.4

Problems Encountered and Remedies

No problems were encountered during the previous period.

2.5

Schedule Update

All remedial design and remedial action work associated with OU-7 is complete based on EPA's approvals of the remedial action reports for the GLTP component and Viscose Basins 9-11 cap system and groundwater and leachate extraction component of OU-7.

3.0

OU-10/ROD 4 (VB 1-8, NEW LANDFILL, PLANT AREA SOILS AND WWTP CLOSURE) REMEDIAL DESIGN/REMEDIAL ACTION

3.1

Actions Taken and Reports Prepared in Previous Period

- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Completed the annual groundwater sampling in accordance with the Site-Wide Groundwater Monitoring Plan dated February 3, 2015.

3.2

Data Generated in Previous Period

None.

3.3

Actions to be Completed Next Period

- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."
- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.

3.4

Problems Encountered and Remedies

No problems were encountered during the previous period.

3.5

Schedule Update

All remedial design and remedial action work associated with OU-10 is complete based on EPA's approvals of the remedial action reports for plant area soils, WWTP and VB 1-8 and New Landfill.

4.0

NON-TIME-CRITICAL REMOVAL ACTIONS (NTCRA) - BASIN CLOSURE

4.1

Actions Taken and Reports Prepared in Previous Period

- Completed quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Completed routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan and as amended by the February 28, 2018 letter from Jeff Thomas of EPA with the subject "Proposed Modification to the Passive Gas Vent and Gas Vent Filter System

Inspection, Monitoring and Maintenance Section of the Site-Wide Post Closure Care Operations and Maintenance Plan (May 2015)."

4.2 *Data Generated in Previous Period*

None.

4.3 *Actions to be Completed Next Period*

- Complete quarterly inspection as described in Section 6 of Part 1 of the Site-Wide O&M Plan.
- Complete routine monitoring of gas vents as described in Section 3.0 of Part 1 of the Site-Wide O&M Plan.

4.4 *Problems Encountered and Remedies*

No problems were encountered during the previous month.

4.5 *Schedule Update*

All removal action work associated with NTCRA-Basins is complete.

5.0 *GROUNDWATER AND LEACHATE TREATMENT PLANT O&M*

5.1 *Actions Taken and Reports Prepared in Previous Period*

- Completed quarterly wet sprinkler test as well as annual safety lighting and fire extinguisher inspections.
- Completed periodic maintenance on the hot water and boiler system as well as fuel oil tank coating repairs.
- The GLTP operated and discharged to the South Fork Shenandoah River (River) for 91 days from October 1 to December 31, 2018.

Discharge Monitoring

Discharge monitoring was completed as required by the July 24, 2014 VADEQ final Fact Sheet and Applicable or Relevant and Appropriate Requirements (ARARs) for the discharge of effluent from the GLTP. The annual discharge samples were collected in November 2018. Monthly

discharge monitoring included: flow, pH, TSS, BOD_5 , and carbon disulfide. The daily and monthly flow and chemical data are listed in the Discharge Monitoring Reports (DMRs) submitted during the fourth quarter of 2018 provided in Attachment 3 and summarized below.

Table 1.0 Summary of 4Q18 Monthly Effluent Sampling

	Permitted Limits	October 2018 (month avg/daily max)	November 2018 (month avg/daily max)	December 2018 (month avg/daily max)
Flow(gpd)	0.396 MGD	0.088/0.135	0.089/0.121	0.088/0.121
pH (range)	6.5 – 9.0	7.65-8.45	7.50-8.70	7.65-8.14
TSS (mg/L)	40 / 130	<QL/<QL	<QL/<QL	<QL/<QL
BOD_5 (mg/L)	24 / 64	<QL/<QL	<QL/<QL	<QL/<QL
CS2 (ug/L)	No limit established. 0.1mg/l action level	<QL	<QL	<QL

*Where parameters non-detect, the value '0' was used for calculating average and maximum concentrations.

- *Flow.* Flow during discharge was monitored continuously. Additionally, flow rates for the lift stations, test wells and viscose basins for the months of October, November, and December are provided in Table 3.2 (Attachment 3).
- *pH.* pH was monitored continuously during the days that discharge occurred. The pH monitoring results for each month are included in Attachment 3 with the monthly DMRs. The effluent pH was within the range of 6.5 to 9.0 specified in the ARARs.
- *TSS.* TSS was monitored weekly. The permitted monthly daily average limit for TSS of 40 mg/l and the permitted monthly maximum daily limit of 130 mg/l for TSS were not exceeded during this reporting period.
- *BOD_5 .* BOD_5 was monitored weekly. The permitted monthly daily average limit for BOD_5 of 24 mg/l and the permitted monthly maximum daily limit of 64 mg/l for BOD_5 were not exceeded during this reporting period.
- *Carbon Disulfide.* Carbon Disulfide was monitored monthly and no limit is established in the ARARs. The results for the monthly samples

collected in the fourth quarter of 2018 were less than the 0.1 mg/l monthly action level specified in the ARARs.

Rainfall Data

Table 3.1 (Attachment 3) shows that a total of 9.6 inches of precipitation fell on the Site during the fourth quarter of 2018 (October, November, and December). The total precipitation for 2018 was 50.3 inches.

5.2 *Data Generated in Previous Period*

Discharge monitoring, rainfall data and flow totals for the lift stations, test wells and viscose basin are contained in Attachment 3. DMRs were submitted by the tenth of each month.

5.3 *Actions to be Taken Next Period*

- Continue GLTP operations and maintenance and operate the GLTP biological system in continuous mode.
- Complete carbon changeout/regen of system.
- Replace odor scrubber fan.

5.4 *Problems Encountered and Remedies*

None.

5.5 *Schedule Update*

The GLTP will continue to operate in full continuous mode.

6.0 OTHER SITE SUPPORT DOCUMENTS

6.1 *Actions Taken and Reports Prepared in Previous Period*

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports completed.

6.2 *Actions to be Taken Next Period*

- Quarterly inspections (e.g. seep areas, river berms, gas vents, etc.) and inspection reports to be completed.

7.0 COMMUNITY RELATIONS SUPPORT

- No activity during the previous period.

ATTACHMENTS

- 1 Summary of Monthly Correspondence
- 2 OU-7 and Site Perimeter Air Monitoring Results
- 3 GLTP Discharge Monitoring and Information
 - Discharge Monitoring Reports, 1 October to 31 December 2018
 - Table 3.1 – Site Rainfall Data
 - Table 3.2 - Monthly Flow Totals Avtex Site Lift Stations, Test Wells and Viscose Basin
- 4 Preliminary Site-Wide Quarterly Inspection (with repairs photo log)

Attachment 1
Summary of Quarterly
Correspondence

ATTACHMENT 1 – LIST OF CORRESPONDENCE AND DELIVERABLES FOR THE PERIOD OCTOBER 1, 2018 TO DECEMBER 31, 2018, AVTEX FIBERS SUPERFUND SITE, FRONT ROYAL, VIRGINIA

FMC to VADEQ

November 7, 2018. Discharge Monitoring Report – October 2018 submitted to VADEQ and EPA

December 7, 2018. Discharge Monitoring Report – November 2018 submitted to VADEQ and EPA

January 7, 2019. Discharge Monitoring Report – December 2018 submitted to VADEQ and EPA

FMC to EPA

October 9, 2018. Responses to Site-Wide Operations and Maintenance Report.

October 15, 2018. Quarterly Progress Report for April – June 2018.

October 29, 2018. Redline response to Comments. *OU-7 Institutional Control Implementation and Assurance Plan.*

November 4, 2018. Responses to EPA comments on the *2017 Annual Site-Wide Groundwater, Surface Water, and Sediment Monitoring Report.*

December 19, 2018. Redline Response Avtex 2017 Site-Wide Operations and Maintenance Report.

December 17, 2018. Response to Quarterly Progress Reports.

EPA to FMC

December 12, 2018. Quarterly Progress Reports Comment Letter. Reports for the Avtex Fibers Superfund Site for the Periods 1 January to 31 March and 1 April to 30 June 2018.

December 10, 2018. EPA Comments. Draft 2017 Site-Wide Operations and Maintenance (O&M) Report. Avtex Site.

Attachment 2
OU-7 and Site Perimeter Air
Monitoring Results

Air Monitoring Form
Avtex Superfund Site
Front Royal, Virginia

Date 11/29/2018

Technician M. Robinson & M. Harder

Air Samples Collected?

- Yes
 No

Gas Monitoring Devices	Used (Y/N)	Calibrated (Y/N)	Date Calibrated	Initials
Jerome613X (low-level H ₂ S)	Y	Y	1/22/2018	MGR
MiniRae 3000 (PID)	Y	Y	11/29/2018	MGR
MultiRae (PID, O ₂ , CO, H ₂ S, LEL)				
Landtec GEM 5000				

Weather Conditions:

Precipitation (Current): Rain Snow Sleet Mix Other None
 Light Moderate Heavy

Current Temperature: 31 °F

Wind Direction (blowing from): NW (N, NE, SW, variable, etc.)

Wind Speed: 7 mph

Barometric Pressure: 30.15 inches

Cloud Cover: Clear Partly Cloudy Mostly Cloudy Cloudy/Overcast Foggy

Monitoring Location	Time	H ₂ S (ppm)	Organic / VOC (ppm)	CS ₂ (ppm)	Methane (%LEL)	Comments
OU-7 Perimeter - (H₂S Indicator Value = 0.006 ppm)						
N	945	0.000	0.0	--	--	
NE	940	0.000	0.0	--	--	
SE	1012	0.000	0.0	--	--	
S	1008	0.000	0.0	--	--	
SW	958	0.000	0.0	--	--	
NW	950	0.000	0.0	--	--	
Site Perimeter - (H₂S Indicator Value = 0.0014 ppm)						
N	1139	0.000	0.0	--	--	
NE	1430	0.000	0.0	--	--	
E	1433	0.000	0.0	--	--	
SE	1437	0.000	0.0	--	--	
S	1015	0.000	0.0	--	--	
SW	1047	0.000	0.0	--	--	
W	1054	0.000	0.0	--	--	
NW	1110	0.000	0.0	--	--	
Downwind (location: <u>SSE</u>)	1435	0.000	0.0	--	--	

Activities Occuring on-site that might relate to air emissions:

Groundwater extraction and treatment

If monitoring results are greater than one or more of above levels & sustained for 1 minute or longer, take following actions:

1. Notify FMC Site Manager, SSO, and EPA/EPA oversight representative;
2. Stop on-site intrusive operations and assess source(s);
3. Step-up work-zone & perimeter monitoring;
4. Perform monitoring the next day to verify levels.

If H₂S > 0.1 ppm sustained for 5 minutes at Site Perimeter - Notify Warren County/Front Royal LEPC and Health Department.

FIGURE 1
AIR MONITORING LOCATIONS
DURING OU-7 WORK
AVTEX FIBERS SUPERFUND SITE
FRONT ROYAL, VIRGINIA



Attachment 3
GLTP Discharge Monitoring and
Information

Table 3.1
Site Rainfall Data Avtex Fibers Superfund Site October 1 - December 31, 2018

Month	Average Rainfall for Winchester, VA (in)* 1990-2013 (in)	Average Site Rainfall 1990-2013 (in)	2006 Actual Rainfall (in)	2007 Actual Rainfall (in)	2008 Actual Rainfall (in)	2009 Actual Rainfall (in)	2010 Actual Rainfall (in)	2011 Actual Rainfall (in)	2012 Actual Rainfall (in)	2013 Actual Rainfall (in)	2014 Actual Rainfall (in)	2015 Actual Rainfall (in)	2016 Actual Rainfall (in)	2017 Actual Rainfall (in)	2018 Actual Rainfall (in)	Percent of Average Site Rainfall (%)
January	2.4	2.7	2.0	1.2	1.0	1.4	3.35	0.9	2.0	3.8	1.1	1.4	1.2	2.5	1.8	65%
February	2.5	2.3	1.7	1.9	2.3	0.0	4.35	1.4	2.3	0.9	3.2	0.7	2.2	0.8	2.0	87%
March	3.1	3.6	0.1	3.7	2.9	1.5	5.7	4.6	1.9	3.9	2.3	1.7	1.0	2.4	0.8	23%
April	3.1	3.2	2.8	3.4	6.2	3.2	1.59	6.5	2.5	1.3	1.5	2.9	1.3	1.7	2.4	75%
May	3.7	3.8	1.0	1.9	5.2	5.8	3.25	5.6	3.6	2.4	7.2	1.6	3.9	7.0	7.7	202%
June	3.9	4.4	9.7	3.5	4.3	4.6	0.6	4.0	3.6	5.2	1.5	3.9	3.8	1.3	9.9	225%
July	3.9	3.4	2.2	1.7	3.8	3.0	1.8	3.1	4.3	1.9	4.6	1.8	5.4	6.7	6.1	180%
August	3.5	3.1	1.3	2.8	3.5	2.1	3.3	3.4	5.2	2.6	3.7	1.0	2.3	2.1	4.1	131%
September	3.1	4.7	6.1	2.0	4.3	1.3	5.7	5.5	4.9	2.5	1.6	3.6	6.1	1.3	5.9	126%
October	3.2	3.0	4.3	4.1	1.2	2.7	0.65	3.9	4.3	5.1	5.17	1.65	0.6	3.5	1.3	42%
November	3.1	2.9	5.2	1.6	2.5	3.7	1.8	3.0	1.1	1.6	1.83	1.36	0.8	0.9	4.7	161%
December	2.5	2.6	0.7	2.8	1.4	5.0	2.0	3.6	1.55	1.5	3.02	2.46	1.5	0.4	3.7	143%
Totals to Date	37.9	39.6	36.9	30.4	38.5	34.2	34.1	45.2	37.0	32.8	36.7	24.1	30.0	30.4	50.3	127%

* Source: National Climate Data Center TD 9641 Clim 81

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

October 2018									
Lift Stations Flow Report		Test Wells Flow Report		Viscose Basin Flow Report					
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
10/1/2018	0.032	10/1/2018	0.066	0.025	0.000	10/1/2018	0.002	0.001	0.006
10/2/2018	0.015	10/2/2018	0.047	0.005	0.000	10/2/2018	0.006	0.003	0.006
10/3/2018	0.015	10/3/2018	0.060	0.015	0.000	10/3/2018	0.006	0.003	0.006
10/4/2018	0.009	10/4/2018	0.066	0.017	0.000	10/4/2018	0.002	0.001	0.006
10/5/2018	0.008	10/5/2018	0.024	0.012	0.000	10/5/2018	0.000	0.000	0.006
10/6/2018	0.008	10/6/2018	0.060	0.023	0.000	10/6/2018	0.000	0.000	0.006
10/7/2018	0.004	10/7/2018	0.066	0.025	0.000	10/7/2018	0.000	0.000	0.006
10/8/2018	0.006	10/8/2018	0.066	0.025	0.000	10/8/2018	0.000	0.000	0.006
10/9/2018	0.012	10/9/2018	0.066	0.025	0.000	10/9/2018	0.000	0.004	0.006
10/10/2018	0.012	10/10/2018	0.066	0.013	0.000	10/10/2018	0.000	0.004	0.006
10/11/2018	0.006	10/11/2018	0.066	0.018	0.000	10/11/2018	0.000	0.004	0.007
10/12/2018	0.011	10/12/2018	0.066	0.021	0.000	10/12/2018	0.000	0.002	0.007
10/13/2018	0.011	10/13/2018	0.059	0.022	0.000	10/13/2018	0.000	0.002	0.007
10/14/2018	0.007	10/14/2018	0.066	0.025	0.000	10/14/2018	0.000	0.000	0.007
10/15/2018	0.013	10/15/2018	0.066	0.024	0.000	10/15/2018	0.003	0.002	0.007
10/16/2018	0.013	10/16/2018	0.066	0.022	0.000	10/16/2018	0.003	0.002	0.007
10/17/2018	0.009	10/17/2018	0.066	0.024	0.000	10/17/2018	0.001	0.001	0.007
10/18/2018	0.004	10/18/2018	0.066	0.024	0.000	10/18/2018	0.001	0.001	0.007
10/19/2018	0.004	10/19/2018	0.066	0.024	0.000	10/19/2018	0.000	0.000	0.007
10/20/2018	0.003	10/20/2018	0.066	0.024	0.000	10/20/2018	0.000	0.000	0.007
10/21/2018	0.003	10/21/2018	0.065	0.024	0.000	10/21/2018	0.000	0.000	0.007
10/22/2018	0.005	10/22/2018	0.065	0.024	0.000	10/22/2018	0.002	0.001	0.007
10/23/2018	0.005	10/23/2018	0.066	0.021	0.000	10/23/2018	0.002	0.002	0.007
10/24/2018	0.004	10/24/2018	0.065	0.024	0.000	10/24/2018	0.000	0.002	0.007
10/25/2018	0.003	10/25/2018	0.065	0.024	0.000	10/25/2018	0.002	0.001	0.007
10/26/2018	0.003	10/26/2018	0.065	0.023	0.000	10/26/2018	0.002	0.001	0.007
10/27/2018	0.020	10/27/2018	0.065	0.023	0.000	10/27/2018	0.000	0.000	0.007
10/28/2018	0.021	10/28/2018	0.065	0.023	0.000	10/28/2018	0.000	0.000	0.007
10/29/2018	0.014	10/29/2018	0.065	0.023	0.000	10/29/2018	0.002	0.002	0.007
10/30/2018	0.013	10/30/2018	0.065	0.010	0.000	10/30/2018	0.002	0.002	0.007
10/31/2018	0.004	10/31/2018	0.065	0.021	0.000	10/31/2018	0.000	0.000	0.007

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

November 2018									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
11/1/2018	0.004	11/1/2018	0.065	0.023	0.000	11/1/2018	0.003	0.003	0.007
11/2/2018	0.007	11/2/2018	0.065	0.023	0.000	11/2/2018	0.003	0.003	0.007
11/3/2018	0.019	11/3/2018	0.065	0.023	0.000	11/3/2018	0.002	0.003	0.007
11/4/2018	0.019	11/4/2018	0.065	0.023	0.000	11/4/2018	0.000	0.000	0.007
11/5/2018	0.030	11/5/2018	0.065	0.023	0.000	11/5/2018	0.000	0.000	0.007
11/6/2018	0.031	11/6/2018	0.023	0.021	0.000	11/6/2018	0.000	0.000	0.007
11/7/2018	0.028	11/7/2018	0.059	0.024	0.000	11/7/2018	0.002	0.002	0.007
11/8/2018	0.013	11/8/2018	0.066	0.021	0.000	11/8/2018	0.002	0.002	0.007
11/9/2018	0.010	11/9/2018	0.066	0.024	0.000	11/9/2018	0.000	0.000	0.007
11/10/2018	0.014	11/10/2018	0.066	0.023	0.000	11/10/2018	0.000	0.000	0.008
11/11/2018	0.014	11/11/2018	0.065	0.023	0.000	11/11/2018	0.000	0.000	0.008
11/12/2018	0.017	11/12/2018	0.065	0.015	0.000	11/12/2018	0.000	0.000	0.008
11/13/2018	0.030	11/13/2018	0.066	0.000	0.000	11/13/2018	0.003	0.002	0.008
11/14/2018	0.030	11/14/2018	0.066	0.012	0.000	11/14/2018	0.003	0.002	0.008
11/15/2018	0.019	11/15/2018	0.066	0.021	0.000	11/15/2018	0.003	0.002	0.008
11/16/2018	0.035	11/16/2018	0.066	0.024	0.000	11/16/2018	0.003	0.002	0.008
11/17/2018	0.035	11/17/2018	0.066	0.005	0.000	11/17/2018	0.000	0.000	0.008
11/18/2018	0.033	11/18/2018	0.066	0.000	0.000	11/18/2018	0.000	0.000	0.008
11/19/2018	0.028	11/19/2018	0.066	0.000	0.000	11/19/2018	0.001	0.001	0.008
11/20/2018	0.028	11/20/2018	0.066	0.018	0.000	11/20/2018	0.003	0.001	0.008
11/21/2018	0.013	11/21/2018	0.066	0.020	0.000	11/21/2018	0.003	0.001	0.008
11/22/2018	0.009	11/22/2018	0.066	0.005	0.000	11/22/2018	0.002	0.001	0.008
11/23/2018	0.008	11/23/2018	0.066	0.000	0.000	11/23/2018	0.000	0.000	0.009
11/24/2018	0.022	11/24/2018	0.066	0.000	0.000	11/24/2018	0.000	0.000	0.009
11/25/2018	0.027	11/25/2018	0.066	0.000	0.000	11/25/2018	0.000	0.000	0.009
11/26/2018	0.027	11/26/2018	0.066	0.018	0.010	11/26/2018	0.000	0.001	0.009
11/27/2018	0.011	11/27/2018	0.066	0.021	0.010	11/27/2018	0.000	0.001	0.009
11/28/2018	0.009	11/28/2018	0.066	0.024	0.000	11/28/2018	0.003	0.001	0.009
11/29/2018	0.007	11/29/2018	0.066	0.024	0.000	11/29/2018	0.003	0.001	0.009
11/30/2018	0.007	11/30/2018	0.066	0.024	0.000	11/30/2018	0.002	0.000	0.009

Table 3.2 Monthly Flow Totals
Avtex Site Lift Stations, Test Wells and Viscose Basin

December 2018									
Lift Stations Flow Report		Test Wells Flow Report			Viscose Basin Flow Report				
Date	Total LS Flow (MGD)	Date	TW1 Flow (MGD)	TW2 Flow (MGD)	TW3 Flow (MGD)	Date	VB9 Flow (MGD)	VB10 Flow (MGD)	VB 11 Flow (MGD)
12/1/2018	0.004	12/1/2018	0.066	0.021	0.000	12/1/2018	0.002	0.000	0.009
12/2/2018	0.000	12/2/2018	0.066	0.024	0.000	12/2/2018	0.000	0.000	0.009
12/3/2018	0.022	12/3/2018	0.066	0.023	0.000	12/3/2018	0.000	0.000	0.009
12/4/2018	0.022	12/4/2018	0.066	0.023	0.000	12/4/2018	0.002	0.002	0.009
12/5/2018	0.004	12/5/2018	0.066	0.015	0.000	12/5/2018	0.002	0.002	0.009
12/6/2018	0.008	12/6/2018	0.066	0.017	0.000	12/6/2018	0.002	0.000	0.010
12/7/2018	0.008	12/7/2018	0.066	0.021	0.000	12/7/2018	0.003	0.002	0.010
12/8/2018	0.006	12/8/2018	0.065	0.023	0.000	12/8/2018	0.003	0.002	0.010
12/9/2018	0.003	12/9/2018	0.065	0.023	0.000	12/9/2018	0.000	0.000	0.010
12/10/2018	0.010	12/10/2018	0.065	0.023	0.000	12/10/2018	0.003	0.001	0.010
12/11/2018	0.010	12/11/2018	0.065	0.016	0.000	12/11/2018	0.003	0.001	0.010
12/12/2018	0.005	12/12/2018	0.065	0.021	0.000	12/12/2018	0.002	0.001	0.010
12/13/2018	0.005	12/13/2018	0.065	0.023	0.008	12/13/2018	0.000	0.000	0.010
12/14/2018	0.004	12/14/2018	0.065	0.023	0.008	12/14/2018	0.002	0.002	0.010
12/15/2018	0.017	12/15/2018	0.065	0.023	0.000	12/15/2018	0.002	0.002	0.010
12/16/2018	0.023	12/16/2018	0.065	0.023	0.000	12/16/2018	0.000	0.000	0.010
12/17/2018	0.031	12/17/2018	0.065	0.023	0.000	12/17/2018	0.000	0.000	0.010
12/18/2018	0.031	12/18/2018	0.024	0.017	0.000	12/18/2018	0.000	0.000	0.011
12/19/2018	0.018	12/19/2018	0.059	0.021	0.000	12/19/2018	0.000	0.002	0.011
12/20/2018	0.012	12/20/2018	0.066	0.024	0.000	12/20/2018	0.000	0.002	0.011
12/21/2018	0.035	12/21/2018	0.066	0.023	0.000	12/21/2018	0.000	0.002	0.011
12/22/2018	0.035	12/22/2018	0.023	0.005	0.000	12/22/2018	0.000	0.000	0.011
12/23/2018	0.016	12/23/2018	0.060	0.022	0.026	12/23/2018	0.000	0.000	0.011
12/24/2018	0.009	12/24/2018	0.066	0.024	0.029	12/24/2018	0.000	0.000	0.011
12/25/2018	0.008	12/25/2018	0.066	0.024	0.025	12/25/2018	0.000	0.000	0.011
12/26/2018	0.005	12/26/2018	0.066	0.024	0.000	12/26/2018	0.000	0.004	0.011
12/27/2018	0.005	12/27/2018	0.066	0.018	0.000	12/27/2018	0.000	0.005	0.011
12/28/2018	0.031	12/28/2018	0.066	0.020	0.000	12/28/2018	0.000	0.005	0.011
12/29/2018	0.031	12/29/2018	0.066	0.009	0.000	12/29/2018	0.000	0.003	0.011
12/30/2018	0.022	12/30/2018	0.066	0.007	0.000	12/30/2018	0.000	0.000	0.011
12/31/2018	0.010	12/31/2018	0.066	0.021	0.000	12/31/2018	0.002	0.001	0.011



Transmitted via Email

November 7, 2018

Department of Environmental Quality - CO
Office of Remediation Program
P.O. Box 1105
Richmond, VA 23218

Re: Submission of Discharge Monitoring Report – October 2018
Avtex Fibers Superfund Site
Front Royal, Virginia

Dear Ms. Payne:

In accordance with the Applicable or Relevant and Appropriate Requirements (ARARs) and Fact Sheet provided July 22, 2014, FMC Corporation (FMC) is submitting the Discharge Monitoring Report (DMR) for the month of October 2018. The permit is for the discharge from the Groundwater and Leachate Treatment Plant (GLTP) located at 404 Kendrick Lane, Front Royal, VA. Analysis of effluent concentrations yielded results within the allowable limits for all parameters.

Please do not hesitate to call if there are any questions.

Sincerely,
FMC Corporation

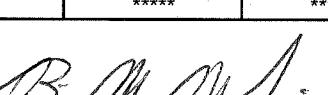
Brian M. McGinnis, P.E.
Manager, Environmental Remediation

cc: via Email
Brandon Kiracofe, DEQ
Jeffrey Thomas, USEPA
Heather Philip, Parsons

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
USA

215.299.6000
fmc.com

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																OMB No. 2040-004	
NAME:	Avtex Fibers			NA			004			DMR MAILING ZIP CODE:			23218				
ADDRESS:	404 Kendrick Lane Front Royal, VA 22630			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:			GLTP EFFLUENT (OUTFALL 004)				
FACILITY:	AVTEX FIBERS			MONITORING PERIOD						External Outfall							
LOCATION:	FRONT ROYAL, VA			FROM	18	10	01	TO	18	10	31				No Discharge		
ATTN:				YEAR	MO	DAY		YEAR	MO	DAY							
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO.	FREQUENCY	SAMPLE		
				VALUE		UNITS	VALUE	VALUE	UNITS	EX	OF ANALYSIS	TYPE					
FLOW		SAMPLE MEASUREMENT	0.088	0.135	MGD	*****	*****	*****	SU	0	CONTINUOUS	TIRE					
00056 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	REPORT MONTHLY AV	REPORT DAILY MAX		*****	*****	*****		CONTINUOUS	TIRE						
PH		SAMPLE MEASUREMENT	*****	*****		7.65	*****	8.45	mg/L	0	CONTINUOUS	GRAB					
00400 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		6.5 MINIMUM	*****	9.0 MAXIMUM		CONTINUOUS	GRAB						
BOD, 5-DAY		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC					
00318 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	36 MONTHLY AV	96 DAILY MAX		*****	24	64		DAILY MX	1/7	8 HC					
SOLIDS, TOTAL SUSPENDED		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/7	8 HC					
03603 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	60 MONTHLY AV	190 DAILY MAX		*****	40	130		DAILY MX	1/7	8 HC					
CARBON DISULFIDE		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	mg/L	0	1/30	8 HC					
77041 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	NL MONTHLY AV	NL DAILY MAX		*****	NL	NL		DAILY MX	1/30	8 HC					
WHOLE EFFLUENT TOXICITY - Ceriodaphnia dubia		SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa			8 HC					
22414 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****	1/90	8 HC					
WHOLE EFFLUENT TOXICITY - Pimephales promelas		SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa			8 HC					
22414 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****	1/90	8 HC					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION; THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE				
Brian McGinnis																	
Manager, Environmental Remediation								215 299-6047			18 11 07						
TYPED OR PRINTED				SIGNATURE OF PRINCIPAL EXECUTIVE													
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)						OFFICER OR AUTHORIZED AGENT							
Attachment: pH compliance monitoring summary (monthly)										AREA	NUMBER	YEAR	MO	DAY			
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level																	
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																	
															PAGE 1 OF 10		

Avtex Fibers
Front Royal, VA
Outfall 004
October 2018 DMR

pH Calculations:

Date And Time	pH
10/1/2018 12:00 AM	8.19
10/1/2018 12:15 AM	8.19
10/1/2018 12:30 AM	8.19
10/1/2018 12:45 AM	8.19
10/1/2018 1:00 AM	8.18
10/1/2018 1:15 AM	8.18
10/1/2018 1:30 AM	8.14
10/1/2018 1:45 AM	8.13
10/1/2018 2:00 AM	8.13
10/1/2018 2:15 AM	8.13
10/1/2018 2:30 AM	8.13
10/1/2018 2:45 AM	8.13
10/1/2018 3:00 AM	8.13
10/1/2018 3:15 AM	8.13
10/1/2018 3:30 AM	8.15
10/1/2018 3:45 AM	8.19
10/1/2018 4:00 AM	8.20
10/1/2018 4:15 AM	8.21
10/1/2018 4:30 AM	8.21
10/1/2018 4:45 AM	8.20
10/1/2018 5:00 AM	8.20
10/1/2018 5:15 AM	8.19
10/1/2018 5:30 AM	8.18
10/1/2018 5:45 AM	8.18
10/1/2018 6:00 AM	8.13
10/1/2018 6:15 AM	8.12
10/1/2018 6:30 AM	8.12
10/1/2018 6:45 AM	8.12
10/1/2018 7:00 AM	8.11
10/1/2018 7:15 AM	8.11
10/1/2018 7:30 AM	8.11
10/1/2018 7:45 AM	8.11
10/1/2018 8:00 AM	8.14
10/1/2018 8:15 AM	8.15
10/1/2018 8:30 AM	8.15
10/1/2018 8:45 AM	8.12
10/1/2018 8:59 AM	8.09
10/1/2018 9:15 AM	8.07
10/1/2018 9:30 AM	8.06
10/1/2018 9:45 AM	8.07
10/1/2018 10:00 AM	8.08
10/1/2018 10:15 AM	8.09
10/1/2018 10:30 AM	8.01
10/1/2018 10:45 AM	7.94
10/1/2018 11:00 AM	7.90
10/1/2018 11:15 AM	7.87
10/1/2018 11:30 AM	7.84
10/1/2018 11:45 AM	7.80
10/1/2018 12:00 PM	7.79
10/1/2018 12:15 PM	7.84
10/1/2018 12:30 PM	7.90
10/1/2018 12:45 PM	7.92
10/1/2018 1:00 PM	7.90
10/1/2018 1:15 PM	7.90
10/1/2018 1:30 PM	7.91
10/1/2018 1:45 PM	7.90
10/1/2018 2:00 PM	7.89
10/1/2018 2:15 PM	7.99
10/1/2018 2:30 PM	8.03
10/1/2018 2:45 PM	8.04
10/1/2018 3:00 PM	7.97
10/1/2018 3:15 PM	8.09
10/1/2018 3:30 PM	8.12
10/1/2018 3:45 PM	8.12
10/1/2018 4:00 PM	8.11
10/1/2018 4:15 PM	8.10
10/1/2018 4:30 PM	8.09
10/1/2018 4:45 PM	8.06
10/1/2018 5:00 PM	8.08
10/1/2018 5:15 PM	8.08
10/1/2018 5:30 PM	8.11
10/1/2018 5:45 PM	8.12
10/1/2018 6:00 PM	8.14
10/1/2018 6:15 PM	8.16
10/1/2018 6:30 PM	8.16
10/1/2018 6:45 PM	8.16
10/1/2018 7:00 PM	8.15
10/1/2018 7:15 PM	8.15
10/1/2018 7:30 PM	8.15
10/1/2018 7:45 PM	8.16
10/1/2018 8:00 PM	8.16
10/1/2018 8:15 PM	8.16
10/1/2018 8:30 PM	8.15
10/1/2018 8:45 PM	8.15
10/1/2018 9:00 PM	8.15
10/1/2018 9:15 PM	8.15
10/1/2018 9:30 PM	8.15
10/1/2018 9:45 PM	8.16
10/1/2018 10:00 PM	8.17
10/1/2018 10:15 PM	8.17
10/1/2018 10:30 PM	8.17
10/1/2018 10:45 PM	8.17
10/1/2018 11:00 PM	8.17
10/1/2018 11:15 PM	8.16
10/1/2018 11:30 PM	8.16
10/1/2018 11:45 PM	8.16

AVG

8.10

AVG

8.11

AVG

8.03

Date And Time	pH
10/2/2018 12:00 AM	8.15
10/2/2018 12:15 AM	8.14
10/2/2018 12:30 AM	8.14
10/2/2018 12:45 AM	8.14
10/2/2018 1:00 AM	8.13
10/2/2018 1:15 AM	8.13
10/2/2018 1:30 AM	8.13
10/2/2018 1:45 AM	8.12
10/2/2018 2:00 AM	8.16
10/2/2018 2:15 AM	8.18
10/2/2018 2:30 AM	8.19
10/2/2018 2:45 AM	8.18
10/2/2018 3:00 AM	8.17
10/2/2018 3:15 AM	8.17
10/2/2018 3:30 AM	8.16
10/2/2018 3:45 AM	8.16
10/2/2018 4:00 AM	8.16
10/2/2018 4:15 AM	8.16
10/2/2018 4:30 AM	8.16
10/2/2018 4:45 AM	8.11
10/2/2018 5:00 AM	8.11
10/2/2018 5:15 AM	8.11
10/2/2018 5:30 AM	8.11
10/2/2018 5:45 AM	8.11
10/2/2018 6:00 AM	8.12
10/2/2018 6:15 AM	8.14
10/2/2018 6:30 AM	8.17
10/2/2018 6:45 AM	8.19
10/2/2018 7:00 AM	8.19
10/2/2018 7:15 AM	8.19
10/2/2018 7:30 AM	8.18
10/2/2018 7:45 AM	8.16
10/2/2018 8:00 AM	8.13
10/2/2018 8:15 AM	8.14
10/2/2018 8:30 AM	8.11
10/2/2018 8:45 AM	8.09
10/2/2018 9:00 AM	8.06
10/2/2018 9:15 AM	8.08
10/2/2018 9:30 AM	8.09
10/2/2018 9:45 AM	8.11
10/2/2018 10:00 AM	8.09
10/2/2018 10:15 AM	8.10
10/2/2018 10:30 AM	8.02
10/2/2018 10:45 AM	7.94
10/2/2018 11:00 AM	7.94
10/2/2018 11:15 AM	8.01
10/2/2018 11:30 AM	8.06
10/2/2018 11:45 AM	8.08
10/2/2018 12:00 PM	8.07
10/2/2018 12:15 PM	8.06
10/2/2018 12:30 PM	8.06
10/2/2018 12:45 PM	8.09
10/2/2018 1:00 PM	8.10
10/2/2018 1:15 PM	8.10
10/2/2018 1:30 PM	8.09
10/2/2018 1:45 PM	8.08
10/2/2018 2:00 PM	8.09
10/2/2018 2:15 PM	8.09
10/2/2018 2:30 PM	8.09
10/2/2018 2:45 PM	8.08
10/2/2018 3:00 PM	8.09
10/2/2018 3:15 PM	8.08
10/2/2018 3:30 PM	8.08
10/2/2018 3:45 PM	8.08
10/2/2018 4:00 PM	8.07
10/2/2018 4:15 PM	8.07
10/2/2018 4:30 PM	8.07
10/2/2018 4:45 PM	8.08
10/2/2018 5:00 PM	8.09
10/2/2018 5:15 PM	8.09
10/2/2018 5:30 PM	8.09
10/2/2018 5:45 PM	8.09
10/2/2018 6:00 PM	8.09
10/2/2018 6:15 PM	8.09
10/2/2018 6:30 PM	8.09
10/2/2018 6:45 PM	8.09
10/2/2018 7:00 PM	8.09
10/2/2018 7:15 PM	8.10
10/2/2018 7:30 PM	8.10
10/2/2018 7:45 PM	8.10
10/2/2018 8:00 PM	8.10
10/2/2018 8:15 PM	8.10
10/2/2018 8:30 PM	8.10
10/2/2018 8:45 PM	8.10
10/2/2018 9:00 PM	8.10
10/2/2018 9:15 PM	8.10
10/2/2018 9:30 PM	8.10
10/2/2018 9:45 PM	8.10
10/2/2018 10:00 PM	8.10
10/2/2018 10:15 PM	8.10
10/2/2018 10:30 PM	8.10
10/2/2018 10:45 PM	8.10
10/2/2018 11:00 PM	8.10
10/2/2018 11:15 PM	8.10
10/2/2018 11:30 PM	8.10
10/2/2018 11:45 PM	8.16

AVG

8.11

AVG

8.03

Date And Time	pH
10/3/2018 12:00 AM	8.10
10/3/2018 12:15 AM	8.10
10/3/2018 12:30 AM	8.10
10/3/2018 12:45 AM	8.10
10/3/2018 1:00 AM	8.10
10/3/2018 1:15 AM	8.11
10/3/2018 1:30 AM	8.10
10/3/2018 1:45 AM	8.11
10/3/2018 2:00 AM	8.11
10/3/2018 2:15 AM	8.11
10/3/2018 2:30 AM	8.11
10/3/2018 2:45 AM	8.11
10/3/2018 3:00 AM	8.11
10/3/2018 3:15 AM	8.11
10/3/2018 3:30 AM	8.11
10/3/2018 3:45 AM	8.11
10/3/2018 4:00 AM	8.11
10/3/2018 4:15 AM	8.00
10/3/2018 4:30 AM	8.00
10/3/2018 4:45 AM	8.00
10/3/2018 5:00 AM	8.00
10/3/2018 5:15 AM	8.00
10/3/2018 5:30 AM	8.00
10/3/2018 5:45 AM	8.00
10/3/2018 6:00 AM	8.01
10/3/2018 6:15 PM	8.01
10/3/2018 6:30 PM	8.01
10/3/2018 6:45 PM	8.01
10/3/2018 7:00 PM	8.01
10/3/2018 7:15 PM	8.02
10/3/2018 7:30 PM	8.02
10/3/2018 7:45 PM	8.02
10/3/2018 8:00 PM	8.02
10/3/2018 8:15 PM	8.02
10/3/2018 8:30 PM	8.02
10/3/2018 8:45 PM	8.02
10/3/2018 9:00 PM	8.02
10/3/2018 9:15 PM	8.02
10/3/2018 9:30 PM	8.02
10/3/2018 9:45 PM	8.02
10/3/2018 10:00 PM	8.02
10/3/2018 10:15 PM	8.02
10/3/2018 10:30 PM	8.02
10/3/2018 10:45 PM	8.03
10/3/2018 11:00 PM	8.03
10/3/2018 11:15 PM	8.03
10/3/2018 11:30 PM	8.03
10/3/2018 11:45 PM	8.03

AVG

8.10

AVG

8.11

AVG

8.03

Date And Time	pH
10/4/2018 12:00 AM	8.03
10/4/2018 12:15 AM	8.03
10/4/2018 12:30 AM	8.03
10/4/2018 12:45 AM	8.03
10/4/2018 1:00 AM	8.03
10/4/2018 1:15 AM	8.03
10/4/2018 1:30 AM	8.03
10/4/2018 1:45 AM	8.03
10/4/2018 2:00 AM	8.03
10/4/2018 2:15 AM	8.03
10/4/2018 2:30 AM	8.03
10/4/2018 2:45 AM	8.03
10/4/2018 3:00 AM	8.02
10/4/2018 3:15 AM	8.02
10/4/2018 3:30 AM	8.03
10/4/2018 3:45 AM	8.03
10/4/2018 4:00 AM	8.03
10/4/2018 4:15 AM	8.03
10/4/2018 4:30 AM	8.03
10/4/2018 4:45 AM	8.03
10/4/2018 5:00 AM	8.03
10/4/2018 5:15 AM	8.03
10/4/2018 5:30 AM	8.03
10/4/2018 5:45 AM	8.03
10/4/2018 6:00 AM	8.03
10/4/2018 6:15 AM	8.03
10/4/2018 6:30 AM	8.03
10/4/2018 6:45 AM	8.03
10/4/2018 7:00 AM	8.03
10/4/2018 7:15 AM	8.03
10/4/2018 7:30 AM	8.03
10/4/2018 7:45 AM	8.15
10/4/2018 8:00 AM	8.16
10/4/2018 8:15 AM	8.14
10/4/2018 8:30 AM	8.11
10/4/2018 8:45 AM	8.07
10/4/2018 9:00 AM	8.02
10/4/2018 9:15 AM	7.97
10/4/2018 9:30 AM	7.92
10/4/2018 9:45 AM	7.89
10/4/2018 10:00 AM	7.87
10/4/2018 10:15 AM	7.86
10/4/2018 10:30 AM	7.84
10/4/2018 10:45 AM	7.82
10/4/2018 11:00 AM	7.78
10/4/2018 11:15 AM	7.75
10/4/2018 11:30 AM	7.73
10/4/2018 11:45 AM	7.71
10/4/2018 12:00 PM	7.70
10/4/2018 12:15 PM	7.66
10/4/2018 12:30 PM	7.73
10/4/2018 12:45 PM	7.70
10/4/2018 1:00 PM	7.73
10/4/2018 1:15 PM	7.71
10/4/2018 1:30 PM	7.72
10/4/2018 1:45 PM	7.69
10/4/2018 2:00 PM	7.68
10/4/2018 2:15 PM	7.69
10/4/2018 2:30 PM	7.66
10/4/2018 2:45 PM	7.65
10/4/2018 3:00 PM	7.73
10/4/2018 3:15 PM	7.81
10/4/2018 3:30 PM	7.85
10/4/2018 3:45 PM	7.87
10/4/2018 4:00 PM	7.89
10/4/2018 4:15 PM	7.89
10/4/2018 4:30 PM	7.89
10/4/2018 4:45 PM	7.90
10/4/2018 5:00 PM	7.92
10/4/2018 5:15 PM	7.93
10/4/2018 5:30 PM	7.94
10/4/2018 5:45 PM	7.96
10/4/2018 6:00 PM	7.98
10/4/2018 6:15 PM	7.99
10/4/2018 6:30 PM	8.00
10/4/2018 6:45 PM	8.02
10/4/2018 7:00 PM	8.03
10/4/2018 7:15 PM	8.04
10/4/2018 7:30 PM	8.05
10/4/2018 7:45 PM	8.06
10/4/2018 8:00 PM	8.06
10/4/2018 8:15 PM	8.07
10/4/2018 8:30 PM	8.07
10/4/2018 8:45 PM	8.07
10/4/2018 9:00 PM	8.08
10/4/2018 9:15 PM	8.08
10/4/2018 9:30 PM	8.08
10/4/2018 9:45 PM	8.13
10/4/2018 10:00 PM	8.12
10/4/2018 10:15 PM	8.11
10/4/2018 10:30 PM	8.10
10/4/2018 10:45 PM	8.11
10/4/2018 11:00 PM	8.11
10/4/2018 11:15 PM	8.11
10/4/2018 11:30 PM	8.10
10/4/2018 11:45 PM	8.10

Date And Time	pH
10/5/2018 12:00 AM	8.10
10/5/2018 12:15 AM	8.11
10/5/2018 12:30 AM	8.16
10/5/2018 12:45 AM	8.13
10/5/2018 1:00 AM	8.12
10/5/2018 1:15 AM	8.12
10/5/2018 1:30 AM	8.12
10/5/2018 1:45 AM	8.12
10/5/2018 2:00 AM	8.12
10/5/2018 2:15 AM	8.13
10/5/2018 2:30 AM	8.13
10/5/2018 2:45 AM	8.13
10/5/2018 3:00 AM	8.14
10/5/2018 3:15 AM	8.19
10/5/2018 3:30 AM	8.17
10/5/2018 3:45 AM	8.15
10/5/2018 4:00 AM	8.15
10/5/2018 4:15 AM	8.14
10/5/2018 4:30 AM	8.15
10/5/2018 4:45 AM	8.15
10/5/2018 5:00 AM	8.15
10/5/2018 5:15 AM	8.21
10/5/2018 5:30 AM	8.24
10/5/2018 5:45 AM	8.24
10/5/2018 6:00 AM	8.25
10/5/2018 6:15 AM	8.24
10/5/2018 6:30 AM	8.24
10/5/2018 6:45 AM	8.23
10/5/2018 7:00 AM	8.23
10/5/2018 7:15 AM	8.20
10/5/2018 7:30 AM	8.18
10/5/2018 7:45 AM	8.17
10/5/2018 8:00 AM	8.17
10/5/2018 8:15 AM	8.24
10/5/2018 8:30 AM	8.25
10/5/2018 8:45 AM	8.26
10/5/2018 9:00 AM	8.25
10/5/2018 9:15 AM	8.23
10/5/2018 9:30 AM	8.22
10/5/2018 9:45 AM	8.22
10/5/2018 10:00 AM	8.21
10/5/2018 10:15 AM	8.21
10/5/2018 10:30 AM	8.21
10/5/2018 10:45 AM	8.21
10/5/2018 11:00 AM	8.22
10/5/2018 11:15 AM	8.22
10/5/2018 11:30 AM	8.21
10/5/2018 11:45 AM	8.22
10/5/2018 12:00 PM	8.22
10/5/2018 12:15 PM	8.22
10/5/2018 12:30 PM	8.21
10/5/2018 12:45 PM	8.21
10/5/2018 1:00 PM	8.24
10/5/2018 1:15 PM	8.25
10/5/2018 1:30 PM	8.24
10/5/2018 1:45 PM	8.23
10/5/2018 2:00 PM	8.23
10/5/2018 2:15 PM	8.24
10/5/2018 2:30 PM	8.22
10/5/2018 2:45 PM	8.23
10/5/2018 3:00 PM	8.24
10/5/2018 3:15 PM	8.23
10/5/2018 3:30 PM	8.22
10/5/2018 3:45 PM	8.23
10/5/2018 4:00 PM	8.23
10/5/2018 4:15 PM	8.22
10/5/2018 4:30 PM	8.22
10/5/2018 4:45 PM	8.21
10/5/2018 5:00 PM	8.21
10/5/2018 5:15 PM	8.21
10/5/2018 5:30 PM	8.20
10/5/2018 5:45 PM	8.20
10/5/2018 6:00 PM	8.20
10/5/2018 6:15 PM	8.20
10/5/2018 6:30 PM	8.20
10/5/2018 6:45 PM	8.20
10/5/2018 7:00 PM	8.20
10/5/2018 7:15 PM	8.20
10/5/2018 7:30 PM	8.20
10/5/2018 7:45 PM	8.20
10/5/2018 8:00 PM	8.20
10/5/2018 8:15 PM	8.20
10/5/2018 8:30 PM	8.22
10/5/2018 8:45 PM	8.19
10/5/2018 9:00 PM	8.18
10/5/2018 9:15 PM	8.16
10/5/2018 9:30 PM	8.15
10/5/2018 9:45 PM	8.17
10/5/2018 10:00 PM	8.19
10/5/2018 10:15 PM	8.19
10/5/2018 10:30 PM	8.19
10/5/2018 10:45 PM	8.19
10/5/2018 11:00 PM	8.18
10/5/2018 11:15 PM	8.18
10/5/2018 11:30 PM	8.17
10/5/2018 11:45 PM	8.17

Date And Time	pH
10/6/2018 12:00 AM	8.17
10/6/2018 12:15 AM	8.17
10/6/2018 12:30 AM	8.17
10/6/2018 12:45 AM	8.17
10/6/2018 1:00 AM	8.15
10/6/2018 1:15 AM	8.13
10/6/2018 1:30 AM	8.13
10/6/2018 1:45 AM	8.12
10/6/2018 2:00 AM	8.11
10/6/2018 2:15 AM	8.11
10/6/2018 2:30 AM	8.11
10/6/2018 2:45 AM	8.11
10/6/2018 3:00 AM	8.09
10/6/2018 3:15 AM	8.15
10/6/2018 3:30 AM	8.17
10/6/2018 3:45 AM	8.17
10/6/2018 4:00 AM	8.17
10/6/2018 4:15 AM	8.15
10/6/2018 4:30 AM	8.14
10/6/2018 4:45 AM	8.14
10/6/2018 5:00 AM	8.14
10/6/2018 5:15 AM	8.14
10/6/2018 5:30 AM	8.12
10/6/2018 5:45 AM	8.11
10/6/2018 6:00 AM	8.10
10/6/2018 6:15 AM	8.10
10/6/2018 6:30 AM	8.10
10/6/2018 6:45 AM	8.07
10/6/2018 7:00 AM	8.10
10/6/2018 7:15 AM	8.11
10/6/2018 7:30 AM	8.16
10/6/2018 7:45 AM	8.17
10/6/2018 8:00 AM	8.18
10/6/2018 8:15 AM	8.17
10/6/2018 8:30 AM	8.16
10/6/2018 8:45 AM	8.16
10/6/2018 9:00 AM	8.14
10/6/2018 9:15 AM	8.15
10/6/2018 9:30 AM	8.15
10/6/2018 9:45 AM	8.14
10/6/2018 10:00 AM	8.17
10/6/2018 10:15 PM	8.17
10/6/2018 10:30 PM	8.16
10/6/2018 10:45 PM	8.15
10/6/2018 11:00 PM	8.15
10/6/2018 11:15 PM	8.15
10/6/2018 11:30 PM	8.14
10/6/2018 11:45 PM	8.14

AVG 7.96 AVG 8.20 AVG 8.13

Date And Time	pH
10/7/2018 12:00 AM	8.13
10/7/2018 12:15 AM	8.13
10/7/2018 12:30 AM	8.13
10/7/2018 12:45 AM	8.13
10/7/2018 1:00 AM	8.13
10/7/2018 1:15 AM	8.14
10/7/2018 1:30 AM	8.18
10/7/2018 1:45 AM	8.19
10/7/2018 2:00 AM	8.19
10/7/2018 2:15 AM	8.18
10/7/2018 2:30 AM	8.17
10/7/2018 2:45 AM	8.16
10/7/2018 3:00 AM	8.16
10/7/2018 3:15 AM	8.15
10/7/2018 3:30 AM	8.15
10/7/2018 3:45 AM	8.15
10/7/2018 4:00 AM	8.14
10/7/2018 4:15 AM	8.14
10/7/2018 4:30 AM	8.14
10/7/2018 4:45 AM	8.14
10/7/2018 5:00 AM	8.14
10/7/2018 5:15 AM	8.14
10/7/2018 5:30 AM	8.13
10/7/2018 5:45 AM	8.12
10/7/2018 6:00 AM	8.12
10/7/2018 6:15 AM	8.16
10/7/2018 6:30 AM	8.18
10/7/2018 6:45 AM	8.18
10/7/2018 7:00 AM	8.17
10/7/2018 7:15 AM	8.16
10/7/2018 7:30 AM	8.16
10/7/2018 7:45 AM	8.15
10/7/2018 8:00 AM	8.14
10/7/2018 8:15 AM	8.12
10/7/2018 8:30 AM	8.09
10/7/2018 8:45 AM	8.04
10/7/2018 9:00 AM	8.00
10/7/2018 9:15 AM	7.96
10/7/2018 9:30 AM	7.93
10/7/2018 9:45 AM	7.92
10/7/2018 10:00 AM	7.89
10/7/2018 10:15 AM	7.85
10/7/2018 10:30 AM	7.83
10/7/2018 10:45 AM	7.86
10/7/2018 11:00 AM	7.89
10/7/2018 11:15 AM	7.93
10/7/2018 11:30 AM	7.94
10/7/2018 11:45 AM	7.95
10/7/2018 12:00 PM	7.96
10/7/2018 12:15 PM	7.96
10/7/2018 12:30 PM	7.95
10/7/2018 12:45 PM	7.96
10/7/2018 1:00 PM	7.83
10/7/2018 1:15 PM	7.88
10/7/2018 1:30 PM	7.86
10/7/2018 1:45 PM	7.84
10/7/2018 2:00 PM	7.87
10/7/2018 2:15 PM	7.83
10/7/2018 2:30 PM	7.85
10/7/2018 2:45 PM	7.90
10/7/2018 3:00 PM	7.99
10/7/2018 3:15 PM	8.07
10/7/2018 3:30 PM	8.11
10/7/2018 3:45 PM	8.13
10/7/2018 4:00 PM	8.15
10/7/2018 4:15 PM	8.16
10/7/2018 4:30 PM	8.16
10/7/2018 4:45 PM	8.17
10/7/2018 5:00 PM	8.16
10/7/2018 5:15 PM	8.17
10/7/2018 5:30 PM	8.13
10/7/2018 5:45 PM	8.14
10/7/2018 6:00 PM	8.09
10/7/2018 6:15 PM	8.12
10/7/2018 6:30 PM	8.14
10/7/2018 6:45 PM	8.15
10/7/2018 7:00 PM	8.16
10/7/2018 7:15 PM	8.16
10/7/2018 7:30 PM	8.16
10/7/2018 7:45 PM	8.16
10/7/2018 8:00 PM	8.16
10/7/2018 8:15 PM	8.17
10/7/2018 8:30 PM	8.17
10/7/2018 8:45 PM	8.17
10/7/2018 9:00 PM	8.16
10/7/2018 9:15 PM	8.16
10/7/2018 9:30 PM	8.16
10/7/2018 9:45 PM	8.16
10/7/2018 10:00 PM	8.18
10/7/2018 10:15 PM	8.17
10/7/2018 10:30 PM	8.16
10/7/2018 10:45 PM	8.16
10/7/2018 11:00 PM	8.16
10/7/2018 11:15 PM	8.16
10/7/2018 11:30 PM	8.16
10/7/2018 11:45 PM	8.15

Date And Time	pH
10/8/2018 12:00 AM	8.15
10/8/2018 12:15 AM	8.17
10/8/2018 12:30 AM	8.19
10/8/2018 12:45 AM	8.20
10/8/2018 1:00 AM	8.20
10/8/2018 1:15 AM	8.19
10/8/2018 1:30 AM	8.19
10/8/2018 1:45 AM	8.18
10/8/2018 2:00 AM	8.18
10/8/2018 2:15 AM	8.18
10/8/2018 2:30 AM	8.17
10/8/2018 2:45 AM	8.16
10/8/2018 3:00 AM	8.15
10/8/2018 3:15 AM	8.15
10/8/2018 3:30 AM	8.15
10/8/2018 3:45 AM	8.15
10/8/2018 4:00 AM	8.15
10/8/2018 4:15 AM	8.15
10/8/2018 4:30 AM	8.15
10/8/2018 4:45 AM	8.15
10/8/2018 5:00 AM	8.21
10/8/2018 5:15 AM	8.21
10/8/2018 5:30 AM	8.21
10/8/2018 5:45 AM	8.20
10/8/2018 6:00 AM	8.19
10/8/2018 6:15 AM	8.19
10/8/2018 6:30 AM	8.19
10/8/2018 6:45 AM	8.19
10/8/2018 7:00 AM	8.17
10/8/2018 7:15 AM	8.16
10/8/2018 7:30 AM	8.15
10/8/2018 7:45 AM	8.15
10/8/2018 8:00 AM	8.15
10/8/2018 8:15 AM	8.15
10/8/2018 8:30 AM	8.14
10/8/2018 8:45 AM	8.14
10/8/2018 9:00 AM	8.14
10/8/2018 9:15 PM	8.15
10/8/2018 9:30 PM	8.15
10/8/2018 9:45 PM	8.15
10/8/2018 10:00 PM	8.14
10/8/2018 10:15 PM	8.14
10/8/2018 10:30 PM	8.14
10/8/2018 10:45 PM	8.15
10/8/2018 11:00 PM	8.17
10/8/2018 11:15 PM	8.18
10/8/2018 11:30 PM	8.18
10/8/2018 11:45 PM	8.18

Date And Time	pH
10/9/2018 12:00 AM	8.18
10/9/2018 12:15 AM	8.18
10/9/2018 12:30 AM	8.18
10/9/2018 12:45 AM	8.17
10/9/2018 1:00 AM	8.16
10/9/2018 1:15 AM	8.15
10/9/2018 1:30 AM	8.14
10/9/2018 1:45 AM	8.14
10/9/2018 2:00 AM	8.14
10/9/2018 2:15 AM	8.14
10/9/2018 2:30 AM	8.14
10/9/2018 2:45 AM	8.14
10/9/2018 3:00 AM	8.15
10/9/2018 3:15 AM	8.15
10/9/2018 3:30 AM	8.19
10/9/2018 3:45 AM	8.20
10/9/2018 4:00 AM	8.19
10/9/2018 4:15 AM	8.19
10/9/2018 4:30 AM	8.19
10/9/2018 4:45 AM	8.20
10/9/2018 5:00 AM	8.18
10/9/2018 5:15 AM	8.17
10/9/2018 5:30 AM	8.16
10/9/2018 5:45 AM	8.15
10/9/2018 6:00 AM	8.20
10/9/2018 6:15 AM	8.20
10/9/2018 6:30 AM	8.14
10/9/2018 6:45 AM	8.14
10/9/2018 7:00 AM	8.18
10/9/2018 7:15 AM	8.17
10/9/2018 7:30 AM	8.19
10/9/2018 7:45 AM	8.20
10/9/2018 8:00 AM	8.20
10/9/2018 8:15 AM	8.20
10/9/2018 8:30 AM	8.20
10/9/2018 8:45 AM	8.20
10/9/2018 9:00 AM	8.14
10/9/2018 9:15 PM	8.16
10/9/2018 9:30 PM	8.17
10/9/2018 9:45 PM	8.16
10/9/2018 10:00 PM	8.16
10/9/2018 10:15 PM	8.16
10/9/2018 10:30 PM	8.16
10/9/2018 10:45 PM	8.16
10/9/2018 11:00 PM	8.16
10/9/2018 11:15 PM	8.16
10/9/2018 11:30 PM	8.16
10/9/2018 11:45 PM	8.15

AVG 8.09 AVG 8.14 AVG 8.14

Date And Time	pH
10/10/2018 12:00 AM	8.14
10/10/2018 12:15 AM	8.14
10/10/2018 12:30 AM	8.14
10/10/2018 12:45 AM	8.14
10/10/2018 1:00 AM	8.14
10/10/2018 1:15 AM	8.15
10/10/2018 1:30 AM	8.18
10/10/2018 1:45 AM	8.19
10/10/2018 2:00 AM	8.19
10/10/2018 2:15 AM	8.19
10/10/2018 2:30 AM	8.19
10/10/2018 2:45 AM	8.18
10/10/2018 3:00 AM	8.18
10/10/2018 3:15 AM	8.18
10/10/2018 3:30 AM	8.18
10/10/2018 3:45 AM	8.18
10/10/2018 4:00 AM	8.17
10/10/2018 4:15 AM	8.16
10/10/2018 4:30 AM	8.15
10/10/2018 4:45 AM	8.15
10/10/2018 5:00 AM	8.15
10/10/2018 5:15 AM	8.15
10/10/2018 5:30 AM	8.15
10/10/2018 5:45 AM	8.15
10/10/2018 6:00 AM	8.15
10/10/2018 6:15 AM	8.19
10/10/2018 6:30 AM	8.21
10/10/2018 6:45 AM	8.21
10/10/2018 7:00 AM	8.21
10/10/2018 7:15 AM	8.20
10/10/2018 7:30 AM	8.20
10/10/2018 7:45 AM	8.19
10/10/2018 8:00 AM	8.19
10/10/2018 8:15 AM	8.18
10/10/2018 8:30 AM	8.16
10/10/2018 8:45 AM	8.14
10/10/2018 9:00 AM	8.13
10/10/2018 9:15 AM	8.10
10/10/2018 9:30 AM	8.05
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10/10/2018 10:15 AM	7.93
10/10/2018 10:30 AM	7.98
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10/10/2018 11:00 AM	8.09
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10/10/2018 1:45 PM	8.14
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10/10/2018 2:15 PM	8.15
10/10/2018 2:30 PM	8.12
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10/10/2018 11:30 PM	8.14
10/10/2018 11:45 PM	8.14

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Date And Time	pH
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10/11/2018 2:45 AM	8.17
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10/11/2018 11:45 PM	8.19

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8.17

Date And Time	pH
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10/13/2018 11:30 PM	8.14
10/13/2018 11:45 PM	8.15

Date And Time	pH
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10/14/2018 12:15 AM	8.25
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10/14/2018 11:30 PM	8.23
10/14/2018 11:45 PM	8.22

Date And Time	pH
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10/15/2018 2:45 AM	8.15
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10/15/2018 11:45 PM	8.15

AVG 8.18 AVG 8.19 AVG 8.19

Date And Time	pH
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10/16/2018 12:45 AM	8.15
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10/16/2018 1:45 AM	8.22
10/16/2018 2:00 AM	8.23
10/16/2018 2:15 AM	8.23
10/16/2018 2:30 AM	8.22
10/16/2018 2:45 AM	8.21
10/16/2018 3:00 AM	8.21
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10/16/2018 3:45 AM	8.20
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10/16/2018 4:30 AM	8.15
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10/16/2018 5:45 AM	8.15
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10/16/2018 11:45 PM	8.16

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Date And Time	pH
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10/17/2018 11:45 PM	8.21

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Date And Time	pH
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10/18/2018 2:30 AM	8.16
10/18/2018 2:45 AM	8.16
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Date And Time	pH
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10/19/2018 10:45 AM	8.31
10/19/2018 11:00 AM	8.31
10/19/2018 11:15 AM	8.33
10/19/2018 11:30 AM	8.34
10/19/2018 11:45 AM	8.34
10/19/2018 12:00 PM	8.35
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10/19/2018 1:45 PM	8.34
10/19/2018 2:00 PM	8.31
10/19/2018 2:15 PM	8.29
10/19/2018 2:30 PM	8.30
10/19/2018 2:45 PM	8.30
10/19/2018 3:00 PM	8.30
10/19/2018 3:15 PM	8.30
10/19/2018 3:30 PM	8.28
10/19/2018 3:45 PM	8.28
10/19/2018 4:00 PM	8.27
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10/19/2018 7:45 PM	8.22
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10/19/2018 9:30 PM	8.23
10/19/2018 9:45 PM	8.23
10/19/2018 10:00 PM	8.24
10/19/2018 10:15 PM	8.20
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10/19/2018 10:45 PM	8.20
10/19/2018 11:00 PM	8.20
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10/19/2018 11:30 PM	8.20
10/19/2018 11:45 PM	8.20

AVG

8.25

AVG

8.26

AVG

8.28

Date And Time	pH
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10/20/2018 12:30 AM	8.25
10/20/2018 12:45 AM	8.26
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10/20/2018 1:15 AM	8.25
10/20/2018 1:30 AM	8.24
10/20/2018 1:45 AM	8.24
10/20/2018 2:00 AM	8.24
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10/20/2018 2:30 AM	8.22
10/20/2018 2:45 AM	8.22
10/20/2018 3:00 AM	8.22
10/20/2018 3:15 AM	8.20
10/20/2018 3:30 AM	8.20
10/20/2018 3:45 AM	8.20
10/20/2018 4:00 AM	8.20
10/20/2018 4:15 AM	8.23
10/20/2018 4:30 AM	8.28
10/20/2018 4:45 AM	8.20
10/20/2018 5:00 AM	8.20
10/20/2018 5:15 AM	8.26
10/20/2018 5:30 AM	8.26
10/20/2018 5:45 AM	8.29
10/20/2018 6:00 AM	8.20
10/20/2018 6:15 AM	8.27
10/20/2018 6:30 AM	8.28
10/20/2018 6:45 AM	8.20
10/20/2018 7:00 AM	8.23
10/20/2018 7:15 AM	8.21
10/20/2018 7:30 AM	8.20
10/20/2018 7:45 AM	8.20
10/20/2018 8:00 AM	8.22
10/20/2018 8:15 AM	8.27
10/20/2018 8:30 AM	8.24
10/20/2018 8:45 AM	8.23
10/20/2018 9:00 AM	8.23
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10/20/2018 10:00 PM	8.23
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10/20/2018 10:30 PM	8.23
10/20/2018 10:45 PM	8.27
10/20/2018 11:00 PM	8.30
10/20/2018 11:15 PM	8.30
10/20/2018 11:30 PM	8.30
10/20/2018 11:45 PM	8.29

Date And Time	pH
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10/21/2018 12:30 AM	8.29
10/21/2018 12:45 AM	8.29
10/21/2018 1:00 AM	8.23
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10/21/2018 1:45 AM	8.22
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10/21/2018 3:45 AM	8.32
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10/21/2018 10:30 PM	8.33
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10/21/2018 11:00 PM	8.33
10/21/2018 11:15 PM	8.33
10/21/2018 11:30 PM	8.23
10/21/2018 11:45 PM	8.24

AVG

8.28

Date And Time	pH
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10/22/2018 12:30 AM	8.24
10/22/2018 12:45 AM	8.24
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10/22/2018 2:45 AM	8.34
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10/22/2018 3:30 AM	8.33
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10/22/2018 12:30 PM	8.43
10/22/2018 12:45 PM	8.43
10/22/2018 1:00 PM	8.38
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10/22/2018 10:45 PM	8.25
10/22/2018 11:00 PM	8.25
10/22/2018 11:15 PM	8.25
10/22/2018 11:30 PM	8.25
10/22/2018 11:45 PM	8.25

Date And Time	pH
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10/23/2018 10:45 PM	8.33
10/23/2018 11:00 PM	8.34
10/23/2018 11:15 PM	8.34
10/23/2018 11:30 PM	8.34
10/23/2018 11:45 PM	8.33

Date And Time	pH
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10/24/2018 12:30 AM	8.33
10/24/2018 12:45 AM	8.33
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10/24/2018 2:45 AM	8.27
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10/24/2018 4:30 AM	8.34
10/24/2018 4:45 AM	8.34
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10/24/2018 5:30 AM	8.26
10/24/2018 5:45 AM	8.26
10/24/2018 6:00 AM	8.33
10/24/2018 6:15 AM	8.27
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10/24/2018 8:45 AM	8.35
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10/24/2018 9:15 AM	8.34
10/24/2018 9:30 AM	8.34
10/24/2018 9:45 AM	8.32
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10/24/2018 10:45 PM	8.34
10/24/2018 11:00 PM	8.34
10/24/2018 11:15 PM	8.34
10/24/2018 11:30 PM	8.27
10/24/2018 11:45 PM	8.26

AVG 8.30 AVG 8.31 AVG 8.32

Date And Time	pH
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10/25/2018 12:30 AM	8.26
10/25/2018 12:45 AM	8.27
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10/25/2018 1:15 AM	8.27
10/25/2018 1:30 AM	8.30
10/25/2018 1:45 AM	8.37
10/25/2018 2:00 AM	8.38
10/25/2018 2:15 AM	8.37
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10/25/2018 2:45 AM	8.35
10/25/2018 3:00 AM	8.35
10/25/2018 3:15 AM	8.35
10/25/2018 3:30 AM	8.35
10/25/2018 3:45 AM	8.35
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10/25/2018 4:30 AM	8.26
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10/25/2018 5:30 AM	8.27
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10/25/2018 8:45 AM	8.36
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10/25/2018 11:30 AM	8.40
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10/25/2018 12:15 PM	8.41
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10/25/2018 2:45 PM	8.26
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10/25/2018 10:00 PM	8.27
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10/25/2018 10:30 PM	8.26
10/25/2018 10:45 PM	8.26
10/25/2018 11:00 PM	8.26
10/25/2018 11:15 PM	8.26
10/25/2018 11:30 PM	8.26
10/25/2018 11:45 PM	8.26

AVG

8.32

Date And Time	pH
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10/26/2018 12:30 AM	8.38
10/26/2018 12:45 AM	8.38
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10/26/2018 2:15 AM	8.33
10/26/2018 2:30 AM	8.26
10/26/2018 2:45 AM	8.26
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10/26/2018 3:45 AM	8.26
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10/26/2018 6:30 AM	8.38
10/26/2018 6:45 AM	8.38
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10/26/2018 7:30 AM	8.36
10/26/2018 7:45 AM	8.36
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10/26/2018 8:15 AM	8.36
10/26/2018 8:30 AM	8.24
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10/26/2018 9:15 PM	8.26
10/26/2018 9:30 PM	8.26
10/26/2018 9:45 PM	8.26
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10/26/2018 10:30 PM	8.39
10/26/2018 10:45 PM	8.39
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10/26/2018 11:15 PM	8.37
10/26/2018 11:30 PM	8.36
10/26/2018 11:45 PM	8.35

AVG

8.32

Date And Time	pH
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10/27/2018 2:45 AM	8.26
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AVG

8.31

Date And Time	pH
10/28/2018 12:00 AM	8.25
10/28/2018 12:15 AM	8.24
10/28/2018 12:30 AM	8.24
10/28/2018 12:45 AM	8.24
10/28/2018 1:00 AM	8.24
10/28/2018 1:15 AM	8.24
10/28/2018 1:30 AM	8.30
10/28/2018 1:45 AM	8.36
10/28/2018 2:00 AM	8.38
10/28/2018 2:15 AM	8.37
10/28/2018 2:30 AM	8.36
10/28/2018 2:45 AM	8.34
10/28/2018 3:00 AM	8.34
10/28/2018 3:15 AM	8.33
10/28/2018 3:30 AM	8.32
10/28/2018 3:45 AM	8.32
10/28/2018 4:00 AM	8.32
10/28/2018 4:15 AM	8.32
10/28/2018 4:30 AM	8.31
10/28/2018 4:45 AM	8.32
10/28/2018 5:00 AM	8.32
10/28/2018 5:15 AM	8.32
10/28/2018 5:30 AM	8.24
10/28/2018 5:45 AM	8.24
10/28/2018 6:00 AM	8.35
10/28/2018 6:15 AM	8.36
10/28/2018 6:30 AM	8.36
10/28/2018 6:45 AM	8.35
10/28/2018 7:00 AM	8.34
10/28/2018 7:15 AM	8.33
10/28/2018 7:30 AM	8.33
10/28/2018 7:45 AM	8.32
10/28/2018 8:00 AM	8.32
10/28/2018 8:15 AM	8.32
10/28/2018 8:30 AM	8.25
10/28/2018 8:45 AM	8.25
10/28/2018 9:00 AM	8.24
10/28/2018 9:15 AM	8.23
10/28/2018 9:30 AM	8.22
10/28/2018 9:45 AM	8.23
10/28/2018 10:00 AM	8.24
10/28/2018 10:15 AM	8.24
10/28/2018 10:30 AM	8.31
10/28/2018 10:45 AM	8.35
10/28/2018 11:00 AM	8.37
10/28/2018 11:15 AM	8.37
10/28/2018 11:30 AM	8.37
10/28/2018 11:45 AM	8.34
10/28/2018 12:00 PM	8.33
10/28/2018 12:15 PM	8.32
10/28/2018 12:30 PM	8.32
10/28/2018 12:45 PM	8.33
10/28/2018 1:00 PM	8.29
10/28/2018 1:15 PM	8.27
10/28/2018 1:30 PM	8.26
10/28/2018 1:45 PM	8.26
10/28/2018 2:00 PM	8.25
10/28/2018 2:15 PM	8.24
10/28/2018 2:30 PM	8.24
10/28/2018 2:45 PM	8.24
10/28/2018 3:00 PM	8.29
10/28/2018 3:15 PM	8.34
10/28/2018 3:30 PM	8.36
10/28/2018 3:45 PM	8.37
10/28/2018 4:00 PM	8.36
10/28/2018 4:15 PM	8.36
10/28/2018 4:30 PM	8.35
10/28/2018 4:45 PM	8.36
10/28/2018 5:00 PM	8.37
10/28/2018 5:15 PM	8.36
10/28/2018 5:30 PM	8.32
10/28/2018 5:45 PM	8.29
10/28/2018 6:00 PM	8.28
10/28/2018 6:15 PM	8.27
10/28/2018 6:30 PM	8.27
10/28/2018 6:45 PM	8.27
10/28/2018 7:00 PM	8.27
10/28/2018 7:15 PM	8.26
10/28/2018 7:30 PM	8.34
10/28/2018 7:45 PM	8.37
10/28/2018 8:00 PM	8.37
10/28/2018 8:15 PM	8.36
10/28/2018 8:30 PM	8.34
10/28/2018 8:45 PM	8.33
10/28/2018 9:00 PM	8.33
10/28/2018 9:15 PM	8.32
10/28/2018 9:30 PM	8.32
10/28/2018 9:45 PM	8.32
10/28/2018 10:00 PM	8.27
10/28/2018 10:15 PM	8.26
10/28/2018 10:30 PM	8.26
10/28/2018 10:45 PM	8.26
10/28/2018 11:00 PM	8.25
10/28/2018 11:15 PM	8.25
10/28/2018 11:30 PM	8.25
10/28/2018 11:45 PM	8.25

AVG

8.30

AVG

8.31

AVG

8.33

MIN	7.65
MAX	8.45

MIN	7.65
MAX	8.45

MIN	7.65
MAX	8.45

MIN	7.65
MAX	8.45

MIN	7.65
MAX	8.45

Date And Time	pH
10/31/2018 12:00 AM	8.35
10/31/2018 12:15 AM	8.35
10/31/2018 12:30 AM	8.35
10/31/2018 12:45 AM	8.35
10/31/2018 1:00 AM	8.28
10/31/2018 1:15 AM	8.29
10/31/2018 1:30 AM	8.29
10/31/2018 1:45 AM	8.29
10/31/2018 2:00 AM	8.36
10/31/2018 2:15 AM	8.38
10/31/2018 2:30 AM	8.38
10/31/2018 2:45 AM	8.37
10/31/2018 3:00 AM	8.36
10/31/2018 3:15 AM	8.35
10/31/2018 3:30 AM	8.35
10/31/2018 3:45 AM	8.35
10/31/2018 4:00 AM	8.30
10/31/2018 4:15 AM	8.29
10/31/2018 4:30 AM	8.29
10/31/2018 4:45 AM	8.29
10/31/2018 5:00 AM	8.29
10/31/2018 5:15 AM	8.29
10/31/2018 5:30 AM	8.29
10/31/2018 5:45 AM	8.34
10/31/2018 6:00 AM	8.38
10/31/2018 6:15 AM	8.39
10/31/2018 6:30 AM	8.37
10/31/2018 6:45 AM	8.36
10/31/2018 7:00 AM	8.36
10/31/2018 7:15 AM	8.35
10/31/2018 7:30 AM	8.35
10/31/2018 7:45 AM	8.35
10/31/2018 8:00 AM	8.36
10/31/2018 8:15 AM	8.35
10/31/2018 8:30 AM	8.28
10/31/2018 8:45 AM	8.28
10/31/2018 9:00 AM	8.27
10/31/2018 9:15 AM	8.27
10/31/2018 9:30 AM	8.26
10/31/2018 9:45 AM	8.24
10/31/2018 10:00 AM	8.22
10/31/2018 10:15 AM	8.20
10/31/2018 10:30 AM	8.23
10/31/2018 10:45 AM	8.27
10/31/2018 11:00 AM	8.31
10/31/2018 11:15 AM	8.32
10/31/2018 11:30 AM	8.34
10/31/2018 11:45 AM	8.37
10/31/2018 12:00 PM	8.36
10/31/2018 12:15 PM	8.38
10/31/2018 12:30 PM	8.38
10/31/2018 12:45 PM	8.37
10/31/2018 1:00 PM	8.32
10/31/2018 1:15 PM	8.34
10/31/2018 1:30 PM	8.32
10/31/2018 1:45 PM	8.29
10/31/2018 2:00 PM	8.28
10/31/2018 2:15 PM	8.28
10/31/2018 2:30 PM	8.29
10/31/2018 2:45 PM	8.30
10/31/2018 3:00 PM	8.33
10/31/2018 3:15 PM	8.36
10/31/2018 3:30 PM	8.38
10/31/2018 3:45 PM	8.39
10/31/2018 4:00 PM	8.39
10/31/2018 4:15 PM	8.40
10/31/2018 4:30 PM	8.41
10/31/2018 4:45 PM	8.40
10/31/2018 5:00 PM	8.40
10/31/2018 5:15 PM	8.40
10/31/2018 5:30 PM	8.39
10/31/2018 5:45 PM	8.42
10/31/2018 6:00 PM	8.40
10/31/2018 6:15 PM	8.39
10/31/2018 6:30 PM	8.38
10/31/2018 6:45 PM	8.38
10/31/2018 7:00 PM	8.37
10/31/2018 7:15 PM	8.38
10/31/2018 7:30 PM	8.40
10/31/2018 7:45 PM	8.41
10/31/2018 8:00 PM	8.41
10/31/2018 8:15 PM	8.41
10/31/2018 8:30 PM	8.40
10/31/2018 8:45 PM	8.39
10/31/2018 9:00 PM	8.39
10/31/2018 9:15 PM	8.38
10/31/2018 9:30 PM	8.38
10/31/2018 9:45 PM	8.38
10/31/2018 10:00 PM	8.36
10/31/2018 10:15 PM	8.35
10/31/2018 10:30 PM	8.34
10/31/2018 10:45 PM	8.33
10/31/2018 11:00 PM	8.33
10/31/2018 11:15 PM	8.33
10/31/2018 11:30 PM	8.32
10/31/2018 11:45 PM	8.32

AVG 8.34

Avtex Fibers
Front Royal, VA
Outfall 004
October 2018 DMR

Sample Date	Sample ID	BOD, mg/L	BOD, kg/d	TSS, mg/L	TSS, kg/d
10/4/2018	AF 10-4FE	0.0	0.0	0.0	0.0
10/9/2018	AF 10-9FE	0.0	0.0	0.0	0.0
10/16/2018	AF 10-16FE	0.0	0.0	0.0	0.0
10/23/2018	AF 10-23FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation	
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)	
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day	
--> lbs/day = ppm * 8.34 * MGD	
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d	
Concentration Derivation	
If 1 lb/d and 1 MGD (= 1 MG/day)	
[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]	
--> ppm = lb/d * (1/8.34) * (1/MGD)	

BOD

10/4/2018	0
10/9/2018	0
10/16/2018	0
10/23/2018	0

AVG

0

TSS

10/4/2018	0
10/9/2018	0
10/16/2018	0
10/23/2018	0

AVG

0

CS2*

10/16/2018	0.220	ug/L
10/16/2018	0.0002	mg/L
10/16/2018	0.0001	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																				
NAME:	Avtex Fibers			NA			004			DMR MAILING ZIP CODE:			23218							
ADDRESS:	404 Kendrick Lane			PERMIT NUMBER			DISCHARGE NUMBER													
Front Royal, VA 22630												DESCRIPTION:								
												GLTP EFFLUENT (OUTFALL 004)								
FACILITY:	AVTEX FIBERS			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall										
LOCATION:	FRONT ROYAL, VA			FROM	18	11	01	TO	18	11	30	No Discharge								
ATTN:																				
PARAMETER		QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO.	FREQUENCY	SAMPLE								
			VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				EX	OF ANALYSIS	TYPE					
FLOW		SAMPLE MEASUREMENT	0.089	0.121	MGD	*****	*****	*****	0	CONTINUOUS	TIRE									
00056 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	REPORT MONTHLY AV	REPORT DAILY MAX		*****	*****	*****			CONTINUOUS	TIRE								
PH		SAMPLE MEASUREMENT	*****	*****		7.5	*****	8.7	0	CONTINUOUS	GRAB									
00400 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		6.5	MINIMUM	*****		9.0	SU	CONTINUOUS	GRAB							
BOD, 5-DAY		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	0	1/7	8 HC									
00318 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	36	96		*****	24	MONTHLY AV		64	mg/L	1/7	8 HC							
DAILY MAX		MONTHLY AV	DAILY MAX																	
SOLIDS, TOTAL SUSPENDED		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	0	1/7	8 HC									
03603 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	60	190		*****	40	MONTHLY AV		130	mg/L	1/7	8 HC							
CARBON DISULFIDE		SAMPLE MEASUREMENT	<QL	<QL	kg/d	*****	<QL	<QL	0	1/30	8 HC									
77041 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	NL	NL		*****	NL	MONTHLY AV		NL	mg/L	1/30	8 HC							
		MONTHLY AV	DAILY MAX																	
WHOLE EFFLUENT TOXICITY - <i>Ceriodaphnia dubia</i>		SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa		8 HC									
22414 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****		1/90	8 HC							
WHOLE EFFLUENT TOXICITY - <i>Pimephales promelas</i>		SAMPLE MEASUREMENT	*****	*****	TUa	*****	*****	*****	TUa		8 HC									
22414 1 0 EFFLUENT GROSS		PERMIT REQUIREMENT	*****	*****		*****	*****	*****		*****		1/90	8 HC							
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.									TELEPHONE			DATE					
Brian McGinnis																				
Manager, Environmental Remediation																				
TYPED OR PRINTED																				
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)																	
Attachment: pH compliance monitoring summary (monthly)																				
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level																				
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.												PAGE 1 OF 10								

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																									
NAME:	Avtex Fibers									004			DMR MAILING ZIP CODE:			23218									
ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:												
Front Royal, VA 22630												GLTP EFFLUENT (OUTFALL 004)													
										MONITORING PERIOD															
FACILITY:	AVTEX FIBERS						YEAR	MO	DAY				YEAR	MO	DAY	External Outfall									
LOCATION:	FRONT ROYAL, VA						FROM	18	11	01	TO	18	11	30				No Discharge							
ATTN:																									
				QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO.	FREQUENCY	SAMPLE										
				PARAMETER				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	EX	OF ANALYSIS	TYPE								
ACENAPHTHENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L	8 HC											
34205 1 0 EFFLUENT GROSS				PERMIT REQUIREMENT	0.033 MONTHLY AV			0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MX		1/365	8 HC										
ACENAPHTHYLENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L	8 HC											
34200 1 0 EFFLUENT GROSS				PERMIT REQUIREMENT	0.033 MONTHLY AV			0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX		1/365	8 HC										
ACRYLONITRILE				SAMPLE MEASUREMENT	*****			*****	KG/D	*****	*****	*****	μg/L	8 HC											
34215 1 0 EFFLUENT GROSS				PERMIT REQUIREMENT	0.14 MONTHLY AV			0.36 DAILY MAX		*****	96 MONTHLY AV	242 DAILY MAX		1/365	8 HC										
ANTHRACENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L	8 HC											
34220 1 0 EFFLUENT GROSS				PERMIT REQUIREMENT	0.033 MONTHLY AV			0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX		1/365	8 HC										
BENZENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L	8 HC											
34030 1 0 EFFLUENT GROSS				PERMIT REQUIREMENT	0.055 MONTHLY AV			0.20 DAILY MAX		*****	37 MONTHLY AV	136 DAILY MAX		1/365	8 HC										
BENZO(A)ANTHRACENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L	8 HC											
34526 1 0 EFFLUENT GROSS				PERMIT REQUIREMENT	0.033 MONTHLY AV			0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX		1/365	8 HC										
3,4-BENZOFUORANTHENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L	8 HC											
79531 1 0 EFFLUENT GROSS				PERMIT REQUIREMENT	0.034 MONTHLY AV			0.091 DAILY MAX		*****	23 MONTHLY AV	61 DAILY MAX		1/365	8 HC										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										TELEPHONE			DATE								
Brian McGinnis																									
Manager, Environmental Remediation																									
TYPED OR PRINTED														SIGNATURE OF PRINCIPAL EXECUTIVE			215	299-6047							
														OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR	MO	DAY				
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)																					
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.														PAGE			2 OF 10								

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																												
NAME:	Avtex Fibers									004			DMR MAILING ZIP CODE:			23218												
ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:															
Front Royal, VA 22630												GLTP EFFLUENT (OUTFALL 004)																
										MONITORING PERIOD																		
FACILITY:	AVTEX FIBERS						YEAR	MO	DAY				YEAR	MO	DAY	External Outfall												
LOCATION:	FRONT ROYAL, VA						FROM	18	11	01	TO	18	11	30				No Discharge										
ATTN:																												
				QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO.	FREQUENCY	SAMPLE													
				PARAMETER				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	EX	OF ANALYSIS	TYPE											
BENZO(K)FLUORANTHENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
34242 1 0				PERMIT REQUIREMENT	0.033 MONTHLY AV			0.088 DAILY MAX		*****	22	59		DAILY MAX				1/365 8 HC										
EFFLUENT GROSS				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
BENZO(A)PYRENE				PERMIT REQUIREMENT	0.034 MONTHLY AV			0.091 DAILY MAX		*****	23	61		DAILY MAX				1/365 8 HC										
34247 1 0				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
EFFLUENT GROSS				PERMIT REQUIREMENT	0.034 MONTHLY AV			0.091 DAILY MAX		*****	23	61		DAILY MAX				1/365 8 HC										
BIS(2-ETHYLHEXYL)PHTHALATE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
39100 1 0				PERMIT REQUIREMENT	0.15 MONTHLY AV			0.42 DAILY MAX		*****	103	279		DAILY MAX				1/365 8 HC										
EFFLUENT GROSS				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
CARBON TETRACHLORIDE				PERMIT REQUIREMENT	0.027 MONTHLY AV			0.057 DAILY MAX		*****	18	38		DAILY MAX				1/365 8 HC										
32102 1 0				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
EFFLUENT GROSS				PERMIT REQUIREMENT	0.027 MONTHLY AV			0.057 DAILY MAX		*****	18	38		DAILY MAX				1/365 8 HC										
CHLOROBENZENE				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
34301 1 0				PERMIT REQUIREMENT	0.022 MONTHLY AV			0.042 DAILY MAX		*****	15	28		DAILY MAX				1/365 8 HC										
EFFLUENT GROSS				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
CHLOROETHANE				PERMIT REQUIREMENT	0.16 MONTHLY AV			0.40 DAILY MAX		*****	104	268		DAILY MAX				1/365 8 HC										
34311 1 0				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
EFFLUENT GROSS				PERMIT REQUIREMENT	0.16 MONTHLY AV			0.40 DAILY MAX		*****	104	268		DAILY MAX				1/365 8 HC										
CHLOROFORM				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
32106 1 0				PERMIT REQUIREMENT	0.031 MONTHLY AV			0.069 DAILY MAX		*****	21	46		DAILY MAX				1/365 8 HC										
EFFLUENT GROSS				SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L				8 HC											
TYPED OR PRINTED				PERMIT REQUIREMENT	0.031 MONTHLY AV			0.069 DAILY MAX		*****	21	46		DAILY MAX				1/365 8 HC										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										TELEPHONE			DATE											
Brian McGinnis																												
Manager, Environmental Remediation																												
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)																								
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.														PAGE			3 OF 10											

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																					
NAME:	Avtex Fibers						004			DMR MAILING ZIP CODE:				23218							
ADDRESS:	404 Kendrick Lane						DISCHARGE NUMBER			DESCRIPTION:											
	Front Royal, VA 22630						MONITORING PERIOD			GLTP EFFLUENT (OUTFALL 004)											
FACILITY:	AVTEX FIBERS			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall											
LOCATION:	FRONT ROYAL, VA			FROM	18	11	01	TO	18	11	30	No Discharge									
ATTN:																					
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE								
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS											
2-CHLOROPHENOL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34586 1 0	PERMIT REQUIREMENT	0.046	0.15		*****	31	98		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX															
CHRYSENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34320 1 0	PERMIT REQUIREMENT	0.033	0.088		*****	22	59		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX															
DI-N-BUTYLPHthalate	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
39110 1 0	PERMIT REQUIREMENT	0.040	0.085		*****	27	57		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX															
1,2-DICHLOROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34536 1 0	PERMIT REQUIREMENT	0.12	0.24		*****	77	163		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX															
1,3-DICHLOROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34566 1 0	PERMIT REQUIREMENT	0.046	0.066		*****	31	44		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX															
1,4-DICHLOROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34571 1 0	PERMIT REQUIREMENT	0.022	0.042		*****	15	28		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX															
1,1-DICHLOROETHANE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34496 1 0	PERMIT REQUIREMENT	0.033	0.088		*****	22	59		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX			MONTHLY AV	DAILY MAX															
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.							TELEPHONE			DATE								
Brian McGinnis																					
Manager, Environmental Remediation																					
TYPED OR PRINTED																					
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)																		
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.													PAGE 4 OF 10								

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																					
NAME:	Avtex Fibers									004			DMR MAILING ZIP CODE:			23218					
ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:								
Front Royal, VA 22630															GLTP EFFLUENT (OUTFALL 004)						
FACILITY:	AVTEX FIBERS						MONITORING PERIOD						External Outfall								
LOCATION:	FRONT ROYAL, VA						FROM	YEAR 18	MO 11	DAY 01	TO	YEAR 18	MO 11	DAY 30				No Discharge			
ATTN:																					
				QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO.	FREQUENCY	SAMPLE						
				PARAMETER	VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	EX	OF ANALYSIS	TYPE							
1,2-DICHLOROETHANE				SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC							
32103 1 0				PERMIT REQUIREMENT	0.10	0.32		*****	68	211		MONTHLY AV	DAILY MAX		1/365	8 HC					
EFFLUENT GROSS					MONTHLY AV	DAILY MAX															
1,1-DICHLOROETHYLENE				SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC							
34501 1 0				PERMIT REQUIREMENT	0.024	0.037		*****	16	25		MONTHLY AV	DAILY MAX		1/365	8 HC					
EFFLUENT GROSS					MONTHLY AV	DAILY MAX															
1,2-TRANS-DICHLOROETHYLENE				SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC							
34546 1 0				PERMIT REQUIREMENT	0.031	0.081		*****	21	54		MONTHLY AV	DAILY MAX		1/365	8 HC					
EFFLUENT GROSS					MONTHLY AV	DAILY MAX															
2,4-DICHLOROPHENOL				SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC							
34601 1 0				PERMIT REQUIREMENT	0.058	0.17		*****	39	112		MONTHLY AV	DAILY MAX		1/365	8 HC					
EFFLUENT GROSS					MONTHLY AV	DAILY MAX															
1,2-DICHLOROPROPANE				SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC							
34541 1 0				PERMIT REQUIREMENT	0.23	0.34		*****	153	230		MONTHLY AV	DAILY MAX		1/365	8 HC					
EFFLUENT GROSS					MONTHLY AV	DAILY MAX															
1,3-DICHLOROPROPYLENE				SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC							
34561 1 0				PERMIT REQUIREMENT	0.043	0.066		*****	29	44		MONTHLY AV	DAILY MAX		1/365	8 HC					
EFFLUENT GROSS					MONTHLY AV	DAILY MAX															
DIETHYL PHTHALATE				SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L			8 HC							
34336 1 0				PERMIT REQUIREMENT	0.12	0.30		*****	81	203		MONTHLY AV	DAILY MAX		1/365	8 HC					
EFFLUENT GROSS					MONTHLY AV	DAILY MAX															
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE								
Brian McGinnis																					
Manager, Environmental Remediation																					
TYPED OR PRINTED																					
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)																	
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																PAGE 5 OF 10					

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																					
NAME:	Avtex Fibers									004			DMR MAILING ZIP CODE:			23218					
ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:								
Front Royal, VA 22630												GLTP EFFLUENT (OUTFALL 004)									
										MONITORING PERIOD											
FACILITY:	AVTEX FIBERS						YEAR	MO	DAY				YEAR	MO	DAY	External Outfall					
LOCATION:	FRONT ROYAL, VA						FROM	18	11	01	TO	18	11	30							
ATTN:													No Discharge								
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION						NO.	FREQUENCY	SAMPLE						
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	EX	OF ANALYSIS	TYPE								
2,4-DIMETHYLPHENOL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34606 1 0	PERMIT REQUIREMENT	0.027	0.054		*****	18	36		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX																			
DIMETHYLPHthalATE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34341 1 0	PERMIT REQUIREMENT	0.028	0.070		*****	19	47		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX																			
4,6-DINITRO-O-CRESOL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34657 1 0	PERMIT REQUIREMENT	0.12	0.42		*****	78	277		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX																			
2,4-DINITROPHENOL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34616 1 0	PERMIT REQUIREMENT	0.11	0.18		*****	71	123		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX																			
2,4-DINITROTOLUENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34611 1 0	PERMIT REQUIREMENT	0.17	0.43		*****	113	285		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX																			
2,6-DINITROTOLUENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
34626 1 0	PERMIT REQUIREMENT	0.38	0.96		*****	255	641		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX																			
ETHYL BENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L					8 HC								
37371 1 0	PERMIT REQUIREMENT	0.048	0.16		*****	32	108		DAILY MAX					1/365	8 HC						
EFFLUENT GROSS	MONTHLY AV	DAILY MAX																			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE								
Brian McGinnis																					
Manager, Environmental Remediation																					
TYPED OR PRINTED										SIGNATURE OF PRINCIPAL EXECUTIVE			215	299-6047							
										OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR	MO	DAY				
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)																	
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																PAGE	6 OF 10				

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																			
NAME:	Avtex Fibers						004			DMR MAILING ZIP CODE:			23218						
ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER									
Front Royal, VA 22630												DESCRIPTION:							
												GLTP EFFLUENT (OUTFALL 004)							
FACILITY:	AVTEX FIBERS						YEAR	MO	DAY	YEAR	MO	DAY	External Outfall						
LOCATION:	FRONT ROYAL, VA			FROM	18	11	01	TO	18	11	30								
ATTN:													No Discharge						
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO.	FREQUENCY	SAMPLE						
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	EX	OF ANALYSIS	TYPE						
FLUORANTHENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L		8 HC									
34376 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.037 MONTHLY AV	0.10 DAILY MAX		*****	25 MONTHLY AV	68 DAILY MAX			1/365	8 HC								
FLUORENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L		8 HC									
34381 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.088 DAILY MAX		*****	22 MONTHLY AV	59 DAILY MAX			1/365	8 HC								
HEXACHLOROBENZENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L		8 HC									
39700 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.022 MONTHLY AV	0.042 DAILY MAX		*****	15 MONTHLY AV	28 DAILY MAX			1/365	8 HC								
HEXACHLOROBUTADIENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L		8 HC									
34391 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.030 MONTHLY AV	0.073 DAILY MAX		*****	20 MONTHLY AV	49 DAILY MAX			1/365	8 HC								
HEXACHLOROETHANE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L		8 HC									
34396 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.031 MONTHLY AV	0.081 DAILY MAX		*****	21 MONTHLY AV	54 DAILY MAX			1/365	8 HC								
METHYL CHLORIDE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L		8 HC									
34418 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.13 MONTHLY AV	0.28 DAILY MAX		*****	86 MONTHLY AV	190 DAILY MAX			1/365	8 HC								
METHYLENE CHLORIDE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	*****	<QL	<QL	μg/L		8 HC									
34423 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.060 MONTHLY AV	0.13 DAILY MAX		*****	40 MONTHLY AV	89 DAILY MAX			1/365	8 HC								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.						TELEPHONE			DATE							
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Manager, Environmental Remediation																			
TYPED OR PRINTED									SIGNATURE OF PRINCIPAL EXECUTIVE	215	299-6047								
COMMENT AND EXPLANATION OF ANY VIOLATIONS			(Reference all attachments here)						OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY					
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.												PAGE	7 OF 10						

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																															
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ADDRESS:	404 Kendrick Lane																		DESCRIPTION:												
Front Royal, VA 22630																		GLTP EFFLUENT (OUTFALL 004)													
										MONITORING PERIOD																					
FACILITY:	AVTEX FIBERS			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall																					
LOCATION:	FRONT ROYAL, VA			FROM	18	11	01	TO	18	11	30							No Discharge													
ATTN:																															
																		NO.	FREQUENCY	SAMPLE											
																		EX	OF ANALYSIS	TYPE											
PARAMETER																															
NAPHTHALENE			SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****		<QL		<QL		μg/L			8 HC													
34696 1 0			PERMIT REQUIREMENT	0.033 MONTHLY AV		0.088 DAILY MAX			*****		22 MONTHLY AV		59 DAILY MAX					1/365		8 HC											
EFFLUENT GROSS			SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****		<QL		<QL		μg/L			8 HC													
34447 1 0			PERMIT REQUIREMENT	0.040 MONTHLY AV		0.10 DAILY MAX			*****		27 MONTHLY AV		68 DAILY MAX					1/365		8 HC											
EFFLUENT GROSS			SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****		<QL		<QL		μg/L			8 HC													
34591 1 0			PERMIT REQUIREMENT	0.061 MONTHLY AV		0.10 DAILY MAX			*****		41 MONTHLY AV		69 DAILY MAX					1/365		8 HC											
EFFLUENT GROSS			SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****		<QL		<QL		μg/L			8 HC													
34646 1 0			PERMIT REQUIREMENT	0.11 MONTHLY AV		0.19 DAILY MAX			*****		72 MONTHLY AV		124 DAILY MAX					1/365		8 HC											
PHENANTHRENE			SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****		<QL		<QL		μg/L			8 HC													
34461 1 0			PERMIT REQUIREMENT	0.033 MONTHLY AV		0.088 DAILY MAX			*****		22 MONTHLY AV		59 DAILY MAX					1/365		8 HC											
PHENOL			SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****		<QL		<QL		μg/L			8 HC													
34694 1 0			PERMIT REQUIREMENT	0.022 MONTHLY AV		0.039 DAILY MAX			*****		15 MONTHLY AV		26 DAILY MAX					1/365		8 HC											
EFFLUENT GROSS			SAMPLE MEASUREMENT	<QL		<QL		KG/D	*****		<QL		<QL		μg/L			8 HC													
34469 1 0			PERMIT REQUIREMENT	0.037 MONTHLY AV		0.10 DAILY MAX			*****		25 MONTHLY AV		67 DAILY MAX					1/365		8 HC											
TYPED OR PRINTED				<p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</p>										TELEPHONE				DATE													
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EPA Form 3320-1 (Rev 01/06) Previous editions may be used.														PAGE		8 OF 10															

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																				
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ADDRESS:	404 Kendrick Lane						PERMIT NUMBER			DISCHARGE NUMBER										
	Front Royal, VA 22630												DESCRIPTION:							
FACILITY:	AVTEX FIBERS						MONITORING PERIOD						GLTP EFFLUENT (OUTFALL 004)							
LOCATION:	FRONT ROYAL, VA						FROM	YEAR	MO	DAY	YEAR	MO	DAY	External Outfall						
ATTN:				<QL	<QL	<QL	<QL	<QL	<QL	<QL	<QL	<QL				No Discharge				
PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION						NO.	FREQUENCY	SAMPLE							
		VALUE	UNITS	PERMIT	REQUIREMENT	MONTHLY AV	DAILY MAX	*****	*****	*****				*****	*****	*****	*****	*****	*****	EX
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	8 HC		
34475 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.033 MONTHLY AV	0.084 DAILY MAX															***** *****	***** *****	***** *****
TOLUENE	SAMPLE MEASUREMENT	<QL	<QL	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	8 HC	
34010 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.039 MONTHLY AV	0.12 DAILY MAX																***** *****	***** *****
CHROMIUM, TOTAL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	8 HC	
01118 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	1.66 MONTHLY AV	4.15 DAILY MAX																***** *****	***** *****
COPPER, TOTAL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	8 HC	
01119 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	2.17 MONTHLY AV	5.07 DAILY MAX																***** *****	***** *****
CYANIDE, TOTAL	SAMPLE MEASUREMENT	0.004	0.004	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	8 HC	
00720 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.63 MONTHLY AV	1.80 DAILY MAX																***** *****	***** *****
LEAD, TOTAL	SAMPLE MEASUREMENT	<QL	<QL	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	8 HC	
01114 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	0.48 MONTHLY AV	1.03 DAILY MAX																***** *****	***** *****
NICKEL, TOTAL	SAMPLE MEASUREMENT	0.004	0.004	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	KG/D	8 HC	
01074 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	2.53 MONTHLY AV	5.97 DAILY MAX																***** *****	***** *****
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.										TELEPHONE			DATE				
Brian McGinnis																				
Manager, Environmental Remediation													SIGNATURE OF PRINCIPAL EXECUTIVE			215 299-6047				
TYPED OR PRINTED													OFFICER OR AUTHORIZED AGENT			AREA	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS																				
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.																PAGE	9 OF 10			

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-004

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)																			
NAME:	Avtex Fibers						004			DMR MAILING ZIP CODE:				23218					
ADDRESS:	404 Kendrick Lane						DISCHARGE NUMBER												
	Front Royal, VA 22630									DESCRIPTION:									
							MONITORING PERIOD			GLTP EFFLUENT (OUTFALL 004)									
FACILITY:	AVTEX FIBERS			YEAR	MO	DAY	YEAR	MO	DAY	External Outfall									
LOCATION:	FRONT ROYAL, VA			FROM	18	11	01	TO	18	11	30	No Discharge							
ATTN:																			
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE						
				VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS									
ZINC, TOTAL	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
01094 1 0	PERMIT REQUIREMENT	4.98 MONTHLY AV			10.2 DAILY MAX		*****	3,325 MONTHLY AV	6,796 DAILY MAX		*****	1/365		8 HC					
EFFLUENT GROSS	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
1,2,4-TRICHLOROBENZENE	PERMIT REQUIREMENT	0.10 MONTHLY AV			0.21 DAILY MAX		*****	68 MONTHLY AV	140 DAILY MAX		*****	1/365		8 HC					
34551 1 0	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
EFFLUENT GROSS	PERMIT REQUIREMENT	0.031 MONTHLY AV			0.081 DAILY MAX		*****	21 MONTHLY AV	54 DAILY MAX		*****	1/365		8 HC					
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
34506 1 0	PERMIT REQUIREMENT	0.031 MONTHLY AV			0.081 DAILY MAX		*****	21 MONTHLY AV	54 DAILY MAX		*****	1/365		8 HC					
EFFLUENT GROSS	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
1,1,2-TRICHLOROETHANE	PERMIT REQUIREMENT	0.031 MONTHLY AV			0.081 DAILY MAX		*****	21 MONTHLY AV	54 DAILY MAX		*****	1/365		8 HC					
34511 1 0	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
EFFLUENT GROSS	PERMIT REQUIREMENT	0.031 MONTHLY AV			0.081 DAILY MAX		*****	21 MONTHLY AV	54 DAILY MAX		*****	1/365		8 HC					
TRICHLOROETHYLENE	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
39180 1 0	PERMIT REQUIREMENT	0.031 MONTHLY AV			0.081 DAILY MAX		*****	21 MONTHLY AV	54 DAILY MAX		*****	1/365		8 HC					
EFFLUENT GROSS	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
VINYL CHLORIDE	PERMIT REQUIREMENT	0.16 MONTHLY AV			0.40 DAILY MAX		*****	104 MONTHLY AV	268 DAILY MAX		*****	1/365		8 HC					
39175 1 0	SAMPLE MEASUREMENT	<QL			<QL	KG/D	*****	<QL	<QL	μg/L			8 HC						
EFFLUENT GROSS	PERMIT REQUIREMENT	0.16 MONTHLY AV			0.40 DAILY MAX		*****	104 MONTHLY AV	268 DAILY MAX		*****	1/365		8 HC					
	SAMPLE MEASUREMENT																		
	PERMIT REQUIREMENT						*****	104 MONTHLY AV	268 DAILY MAX		*****								
TYPED OR PRINTED										SIGNATURE OF PRINCIPAL EXECUTIVE				215	299-6047				
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)						OFFICER OR AUTHORIZED AGENT				AREA	NUMBER	YEAR	MO	DAY	
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.												PAGE				10 OF 10			

Avtex Fibers
Front Royal, VA
Outfall 004
November 2018 DMR

pH Calculations:

Date And Time	pH
11/1/2018 12:00 AM	8.32
11/1/2018 12:15 AM	8.36
11/1/2018 12:30 AM	8.37
11/1/2018 12:45 AM	8.38
11/1/2018 1:00 AM	8.38
11/1/2018 1:15 AM	8.39
11/1/2018 1:30 AM	8.38
11/1/2018 1:45 AM	8.38
11/1/2018 2:00 AM	8.37
11/1/2018 2:15 AM	8.37
11/1/2018 2:30 AM	8.35
11/1/2018 2:45 AM	8.34
11/1/2018 3:00 AM	8.33
11/1/2018 3:15 AM	8.32
11/1/2018 3:30 AM	8.32
11/1/2018 3:45 AM	8.32
11/1/2018 4:00 AM	8.31
11/1/2018 4:15 AM	8.31
11/1/2018 4:30 AM	8.31
11/1/2018 4:45 AM	8.36
11/1/2018 5:00 AM	8.38
11/1/2018 5:15 AM	8.38
11/1/2018 5:30 AM	8.39
11/1/2018 5:45 AM	8.38
11/1/2018 6:00 AM	8.38
11/1/2018 6:15 AM	8.38
11/1/2018 6:30 AM	8.36
11/1/2018 6:45 AM	8.36
11/1/2018 7:00 AM	8.34
11/1/2018 7:15 AM	8.32
11/1/2018 7:30 AM	8.32
11/1/2018 7:45 AM	8.31
11/1/2018 8:00 AM	8.31
11/1/2018 8:15 AM	8.31
11/1/2018 8:30 AM	8.31
11/1/2018 8:45 AM	8.30
11/1/2018 9:00 AM	8.35
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11/1/2018 11:30 AM	8.27
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11/1/2018 12:15 PM	8.28
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11/1/2018 7:45 PM	8.36
11/1/2018 8:00 PM	8.36
11/1/2018 8:15 PM	8.36
11/1/2018 8:30 PM	8.35
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11/1/2018 9:00 PM	8.31
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11/1/2018 9:30 PM	8.30
11/1/2018 9:45 PM	8.30
11/1/2018 10:00 PM	8.29
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11/1/2018 11:15 PM	8.34
11/1/2018 11:30 PM	8.34
11/1/2018 11:45 PM	8.35

AVG 8.33 AVG 8.31 AVG 8.31

Date And Time	pH
11/2/2018 12:00 AM	8.36
11/2/2018 12:15 AM	8.36
11/2/2018 12:30 AM	8.36
11/2/2018 12:45 AM	8.35
11/2/2018 1:00 AM	8.34
11/2/2018 1:15 AM	8.32
11/2/2018 1:30 AM	8.31
11/2/2018 1:45 AM	8.30
11/2/2018 2:00 AM	8.30
11/2/2018 2:15 AM	8.29
11/2/2018 2:30 AM	8.29
11/2/2018 2:45 AM	8.31
11/2/2018 3:00 AM	8.33
11/2/2018 3:15 AM	8.34
11/2/2018 3:30 AM	8.34
11/2/2018 3:45 AM	8.34
11/2/2018 4:00 AM	8.34
11/2/2018 4:15 AM	8.33
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11/2/2018 4:45 AM	8.32
11/2/2018 5:00 AM	8.32
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11/2/2018 9:30 PM	8.33
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11/2/2018 10:45 PM	8.32
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11/2/2018 11:15 PM	8.31
11/2/2018 11:30 PM	8.27
11/2/2018 11:45 PM	8.26

AVG 8.29 AVG 8.26 AVG 8.31

Date And Time	pH
11/3/2018 12:00 AM	8.27
11/3/2018 12:15 AM	8.27
11/3/2018 12:30 AM	8.27
11/3/2018 12:45 AM	8.27
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11/3/2018 9:45 AM	8.24
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AVG 8.26 AVG 8.26 AVG 8.31

Date And Time	pH
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11/4/2018 6:15 PM	8.32
11/4/2018 6:30 PM	8.31
11/4/2018 6:45 PM	8.31
11/4/2018 7:00 PM	8.31
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11/4/2018 8:15 PM	8.26
11/4/2018 8:30 PM	8.26
11/4/2018 8:45 PM	8.26
11/4/2018 9:00 PM	8.25
11/4/2018 9:15 PM	8.25
11/4/2018 9:30 PM	8.25
11/4/2018 9:45 PM	8.30
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11/4/2018 10:15 PM	8.33
11/4/2018 10:30 PM	8.33
11/4/2018 10:45 PM	8.32
11/4/2018 11:00 PM	8.31
11/4/2018 11:15 PM	8.31
11/4/2018 11:30 PM	8.31
11/4/2018 11:45 PM	8.31

Date And Time	pH
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11/5/2018 1:15 AM	8.26
11/5/2018 1:30 AM	8.26
11/5/2018 1:45 AM	8.30
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11/5/2018 5:45 AM	8.32
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11/5/2018 10:45 PM	8.27
11/5/2018 11:00 PM	8.27
11/5/2018 11:15 PM	8.27
11/5/2018 11:30 PM	8.27
11/5/2018 11:45 PM	8.27

Date And Time	pH
11/6/2018 12:00 AM	8.27
11/6/2018 12:15 AM	8.27
11/6/2018 12:30 AM	8.28
11/6/2018 12:45 AM	8.35
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11/6/2018 1:15 AM	8.37
11/6/2018 1:30 AM	8.37
11/6/2018 1:45 AM	8.35
11/6/2018 2:00 AM	8.34
11/6/2018 2:15 AM	8.33
11/6/2018 2:30 AM	8.33
11/6/2018 2:45 AM	8.33
11/6/2018 3:00 AM	8.28
11/6/2018 3:15 AM	8.27
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11/6/2018 3:45 AM	8.28
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11/6/2018 4:30 AM	8.28
11/6/2018 4:45 AM	8.28
11/6/2018 5:00 AM	8.36
11/6/2018 5:15 AM	8.37
11/6/2018 5:30 AM	8.37
11/6/2018 5:45 AM	8.36
11/6/2018 6:00 AM	8.35
11/6/2018 6:15 AM	8.34
11/6/2018 6:30 AM	8.34
11/6/2018 6:45 AM	8.34
11/6/2018 7:00 AM	8.33
11/6/2018 7:15 AM	8.33
11/6/2018 7:30 AM	8.29
11/6/2018 7:45 AM	8.27
11/6/2018 8:00 AM	8.27
11/6/2018 8:15 AM	8.28
11/6/2018 8:30 AM	8.28
11/6/2018 8:45 AM	8.27
11/6/2018 9:00 AM	8.28
11/6/2018 9:15 AM	8.28
11/6/2018 9:30 AM	8.29
11/6/2018 9:45 AM	8.37
11/6/2018 10:00 AM	8.37
11/6/2018 10:15 AM	8.37
11/6/2018 10:30 AM	8.36
11/6/2018 10:45 AM	8.35
11/6/2018 11:00 AM	8.35
11/6/2018 11:15 AM	8.37
11/6/2018 11:30 AM	8.37
11/6/2018 11:45 AM	8.38
11/6/2018 12:00 PM	8.35
11/6/2018 12:15 PM	8.32
11/6/2018 12:30 PM	8.30
11/6/2018 12:45 PM	8.29
11/6/2018 1:00 PM	8.29
11/6/2018 1:15 PM	8.29
11/6/2018 1:30 PM	8.29
11/6/2018 1:45 PM	8.30
11/6/2018 2:00 PM	8.35
11/6/2018 2:15 PM	8.36
11/6/2018 2:30 PM	8.36
11/6/2018 2:45 PM	8.37
11/6/2018 3:00 PM	8.37
11/6/2018 3:15 PM	8.37
11/6/2018 3:30 PM	8.37
11/6/2018 3:45 PM	8.36
11/6/2018 4:00 PM	8.36
11/6/2018 4:15 PM	8.35
11/6/2018 4:30 PM	8.34
11/6/2018 4:45 PM	8.37
11/6/2018 5:00 PM	8.37
11/6/2018 5:15 PM	8.37
11/6/2018 5:30 PM	8.33
11/6/2018 5:45 PM	8.33
11/6/2018 6:00 PM	8.33
11/6/2018 6:15 PM	8.33
11/6/2018 6:30 PM	8.33
11/6/2018 6:45 PM	8.33
11/6/2018 7:00 PM	8.33
11/6/2018 7:15 PM	8.33
11/6/2018 7:30 PM	8.33
11/6/2018 7:45 PM	8.33
11/6/2018 8:00 PM	8.33
11/6/2018 8:15 PM	8.33
11/6/2018 8:30 PM	8.33
11/6/2018 8:45 PM	8.33
11/6/2018 9:00 PM	8.33
11/6/2018 9:15 PM	8.30
11/6/2018 9:30 PM	8.29
11/6/2018 9:45 PM	8.29
11/6/2018 10:00 PM	8.29
11/6/2018 10:15 PM	8.30
11/6/2018 10:30 PM	8.30
11/6/2018 10:45 PM	8.33
11/6/2018 11:00 PM	8.37
11/6/2018 11:15 PM	8.38
11/6/2018 11:30 PM	8.38
11/6/2018 11:45 PM	8.37

AVG AVG AVG AVG

8.30 8.30 8.33 8.33

Date And Time	pH
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11/16/2018 12:30 AM	8.48
11/16/2018 12:45 AM	8.48
11/16/2018 1:00 AM	8.47
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11/16/2018 1:30 AM	8.40
11/16/2018 1:45 AM	8.38
11/16/2018 2:00 AM	8.39
11/16/2018 2:15 AM	8.39
11/16/2018 2:30 AM	8.38
11/16/2018 2:45 AM	8.38
11/16/2018 3:00 AM	8.38
11/16/2018 3:15 AM	8.38
11/16/2018 3:30 AM	8.40
11/16/2018 3:45 AM	8.49
11/16/2018 4:00 AM	8.50
11/16/2018 4:15 AM	8.51
11/16/2018 4:30 AM	8.51
11/16/2018 4:45 AM	8.48
11/16/2018 5:00 AM	8.48
11/16/2018 5:15 AM	8.47
11/16/2018 5:30 AM	8.46
11/16/2018 5:45 AM	8.46
11/16/2018 6:00 AM	8.41
11/16/2018 6:15 AM	8.38
11/16/2018 6:30 AM	8.38
11/16/2018 6:45 AM	8.38
11/16/2018 7:00 AM	8.37
11/16/2018 7:15 AM	8.37
11/16/2018 7:30 AM	8.36
11/16/2018 7:45 AM	8.42
11/16/2018 8:00 AM	8.47
11/16/2018 8:15 AM	8.47
11/16/2018 8:30 AM	8.48
11/16/2018 8:45 AM	8.47
11/16/2018 9:00 AM	8.47
11/16/2018 9:15 AM	8.46
11/16/2018 9:30 AM	8.46
11/16/2018 9:45 AM	8.46
11/16/2018 10:00 AM	8.45
11/16/2018 10:15 AM	8.44
11/16/2018 10:30 AM	8.41
11/16/2018 10:45 AM	8.37
11/16/2018 11:00 AM	8.36
11/16/2018 11:15 AM	8.35
11/16/2018 11:30 AM	8.34
11/16/2018 11:45 AM	8.34
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11/16/2018 12:15 PM	8.32
11/16/2018 12:30 PM	8.39
11/16/2018 12:45 PM	8.44
11/16/2018 1:00 PM	8.46
11/16/2018 1:15 PM	8.47
11/16/2018 1:30 PM	8.49
11/16/2018 1:45 PM	8.45
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11/16/2018 2:15 PM	8.43
11/16/2018 2:30 PM	8.43
11/16/2018 2:45 PM	8.43
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11/16/2018 3:45 PM	8.36
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11/16/2018 4:45 PM	8.34
11/16/2018 5:00 PM	8.34
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11/16/2018 5:30 PM	8.42
11/16/2018 5:45 PM	8.42
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11/16/2018 6:15 PM	8.42
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11/16/2018 6:45 PM	8.41
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11/16/2018 8:45 PM	8.32
11/16/2018 9:00 PM	8.31
11/16/2018 9:15 PM	8.34
11/16/2018 9:30 PM	8.39
11/16/2018 9:45 PM	8.41
11/16/2018 10:00 PM	8.41
11/16/2018 10:15 PM	8.41
11/16/2018 10:30 PM	8.40
11/16/2018 10:45 PM	8.39
11/16/2018 11:00 PM	8.38
11/16/2018 11:15 PM	8.38
11/16/2018 11:30 PM	8.38
11/16/2018 11:45 PM	8.38

AVG

8.41

AVG

8.32

AVG

8.23

Date And Time	pH
11/17/2018 12:00 AM	8.32
11/17/2018 12:15 AM	8.31
11/17/2018 12:30 AM	8.30
11/17/2018 12:45 AM	8.30
11/17/2018 1:00 AM	8.30
11/17/2018 1:15 AM	8.30
11/17/2018 1:30 AM	8.30
11/17/2018 1:45 AM	8.30
11/17/2018 2:00 AM	8.31
11/17/2018 2:15 AM	8.37
11/17/2018 2:30 AM	8.39
11/17/2018 2:45 AM	8.40
11/17/2018 3:00 AM	8.40
11/17/2018 3:15 AM	8.40
11/17/2018 3:30 AM	8.38
11/17/2018 3:45 AM	8.38
11/17/2018 4:00 AM	8.37
11/17/2018 4:15 AM	8.37
11/17/2018 4:30 AM	8.33
11/17/2018 4:45 AM	8.23
11/17/2018 5:00 AM	8.29
11/17/2018 5:15 AM	8.29
11/17/2018 5:30 AM	8.29
11/17/2018 5:45 AM	8.29
11/17/2018 6:00 AM	8.28
11/17/2018 6:15 AM	8.28
11/17/2018 6:30 AM	8.29
11/17/2018 6:45 AM	8.36
11/17/2018 7:00 AM	8.38
11/17/2018 7:15 AM	8.39
11/17/2018 7:30 AM	8.39
11/17/2018 7:45 AM	8.38
11/17/2018 8:00 AM	8.37
11/17/2018 8:15 AM	8.37
11/17/2018 8:30 AM	8.37
11/17/2018 8:45 AM	8.37
11/17/2018 9:00 AM	8.32
11/17/2018 9:15 AM	8.29
11/17/2018 9:30 AM	8.27
11/17/2018 9:45 AM	8.26
11/17/2018 10:00 AM	8.26
11/17/2018 10:15 AM	8.26
11/17/2018 10:30 AM	8.26
11/17/2018 10:45 AM	8.29
11/17/2018 11:00 AM	8.33
11/17/2018 11:15 AM	8.36
11/17/2018 11:30 AM	8.38
11/17/2018 11:45 AM	8.39
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11/17/2018 12:15 PM	8.40
11/17/2018 12:30 PM	8.41
11/17/2018 12:45 PM	8.41
11/17/2018 1:00 PM	8.40
11/17/2018 1:15 PM	8.38
11/17/2018 1:30 PM	8.36
11/17/2018 1:45 PM	8.36
11/17/2018 2:00 PM	8.33
11/17/2018 2:15 PM	8.22
11/17/2018 2:30 PM	8.21
11/17/2018 2:45 PM	8.20
11/17/2018 3:00 PM	8.19
11/17/2018 3:15 PM	8.18
11/17/2018 3:30 PM	8.22
11/17/2018 3:45 PM	8.22
11/17/2018 4:00 PM	8.24
11/17/2018 4:15 PM	8.24
11/17/2018 4:30 PM	8.17
11/17/2018 4:45 PM	8.15
11/17/2018 5:00 PM	8.15
11/17/2018 5:15 PM	8.23
11/17/2018 5:30 PM	8.22
11/17/2018 5:45 PM	8.22
11/17/2018 6:00 PM	8.22
11/17/2018 6:15 PM	8.17
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11/17/2018 6:45 PM	8.23
11/17/2018 7:00 PM	8.24
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11/17/2018 9:45 PM	8.14
11/17/2018 10:00 PM	8.13
11/17/2018 10:15 PM	8.13
11/17/2018 10:30 PM	8.13
11/17/2018 10:45 PM	8.12
11/17/2018 11:00 PM	8.12
11/17/2018 11:15 PM	8.18
11/17/2018 11:30 PM	8.21
11/17/2018 11:45 PM	8.22

AVG

8.32

AVG

8.23

Date And Time	pH
11/19/2018 12:00 AM	8.22
11/19/2018 12:15 AM	8.22
11/19/2018 12:30 AM	8.21
11/19/2018 12:45 AM	8.21
11/19/2018 1:00 AM	8.21
11/19/2018 1:15 AM	8.20
11/19/2018 1:30 AM	8.16
11/19/2018 1:45 AM	8.13
11/19/2018 2:00 AM	8.12
11/19/2018 2:15 AM	8.12
11/19/2018 2:30 AM	8.11
11/19/2018 2:45 AM	8.11
11/19/2018 3:00 AM	8.11
11/19/2018 3:15 AM	8.10
11/19/2018 3:30 AM	8.13
11/19/2018 3:45 AM	8.18
11/19/2018 4:00 AM	8.19
11/19/2018 4:15 AM	8.20
11/19/2018 4:30 AM	8.20
11/19/2018 4:45 AM	8.20
11/19/2018 5:00 AM	8.20
11/19/2018 5:15 AM	8.19
11/19/2018 5:30 AM	8.18
11/19/2018 5:45 AM	8.18
11/19/2018 6:00 AM	8.14
11/19/2018 6:15 AM	8.11
11/19/2018 6:30 AM	8.10
11/19/2018 6:45 AM	8.10
11/19/2018 7:00 AM	8.10
11/19/2018 7:15 AM	8.09
11/19/2018 7:30 AM	8.09
11/19/2018 7:45 AM	8.13
11/19/2018 8:00 AM	8.16
11/19/2018 8:15 AM	8.18
11/19/2018 8:30 AM	8.19
11/19/2018 8:45 AM	8.19
11/19/2018 9:00 AM	8.19
11/19/2018 9:15 AM	8.19
11/19/2018 9:30 AM	8.19
11/19/2018 9:45 AM	8.19
11/19/2018 10:00 AM	8.18
11/19/2018 10:15 AM	8.17
11/19/2018 10:30 AM	8.14
11/19/2018 10:45 AM	8.10
11/19/2018 11:00 AM	8.06
11/19/2018 11:15 AM	8.04
11/19/2018 11:30 AM	8.03
11/19/2018 11:45 AM	8.01
11/19/2018 12:00 PM	8.00
11/19/2018 12:15 PM	7.99
11/19/2018 12:30 PM	8.04
11/19/2018 12:45 PM	8.07
11/19/2018 1:00 PM	8.09
11/19/2018 1:15 PM	8.13
11/19/2018 1:30 PM	8.17
11/19/2018 1:45 PM	8.17
11/19/2018 2:00 PM	8.15
11/19/2018 2:15 PM	8.14
11/19/2018 2:30 PM	8.13
11/19/2018 2:45 PM	8.13
11/19/2018 3:00 PM	8.13
11/19/2018 3:15 PM	8.12
11/19/2018 3:30 PM	8.10
11/19/2018 3:45 PM	8.09
11/19/2018 4:00 PM	8.08
11/19/2018 4:15 PM	8.08
11/19/2018 4:30 PM	8.07
11/19/2018 4:45 PM	8.06
11/19/2018 5:00 PM	8.06
11/19/2018 5:15 PM	8.10
11/19/2018 5:30 PM	8.12
11/19/2018 5:45 PM	8.12
11/19/2018 6:00 PM	8.12
11/19/2018 6:15 PM	8.12
11/19/2018 6:30 PM	8.11
11/19/2018 6:45 PM	8.10
11/19/2018 7:00 PM	8.10
11/19/2018 7:15 PM	8.10
11/19/2018 7:30 PM	8.06
11/19/2018 7:45 PM	8.05
11/19/2018 8:00 PM	8.05
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11/19/2018 8:30 PM	8.04
11/19/2018 8:45 PM	8.04
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11/19/2018 9:15 PM	8.05
11/19/2018 9:30 PM	8.09
11/19/2018 9:45 PM	8.11
11/19/2018 10:00 PM	8.10
11/19/2018 10:15 PM	8.10
11/19/2018 10:30 PM	8.10
11/19/2018 10:45 PM	8.10
11/19/2018 11:00 PM	8.10
11/19/2018 11:15 PM	8.10
11/19/2018 11:30 PM	8.10
11/19/2018 11:45 PM	8.10

Date And Time	pH
11/20/2018 12:00 AM	8.06
11/20/2018 12:15 AM	8.03
11/20/2018 12:30 AM	8.02
11/20/2018 12:45 AM	8.02
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11/20/2018 1:45 AM	8.01
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11/20/2018 2:15 AM	8.06
11/20/2018 2:30 AM	8.08
11/20/2018 2:45 AM	8.10
11/20/2018 3:00 AM	8.10
11/20/2018 3:15 AM	8.10
11/20/2018 3:30 AM	8.10
11/20/2018 3:45 AM	8.10
11/20/2018 4:00 AM	8.10
11/20/2018 4:15 AM	8.10
11/20/2018 4:30 AM	8.05
11/20/2018 4:45 AM	8.02
11/20/2018 5:00 AM	8.02
11/20/2018 5:15 AM	8.01
11/20/2018 5:30 AM	8.01
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11/20/2018 6:15 AM	7.99
11/20/2018 6:30 AM	7.99
11/20/2018 6:45 AM	8.05
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11/20/2018 7:15 AM	8.07
11/20/2018 7:30 AM	8.08
11/20/2018 7:45 AM	8.08
11/20/2018 8:00 AM	8.08
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11/20/2018 8:30 AM	8.08
11/20/2018 8:45 AM	8.08
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11/20/2018 9:15 AM	8.01
11/20/2018 9:30 AM	8.00
11/20/2018 9:45 AM	8.00
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11/20/2018 10:15 AM	7.98
11/20/2018 10:30 AM	7.98
11/20/2018 10:45 AM	7.98
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11/20/2018 11:45 AM	7.98
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11/20/2018 12:30 PM	7.98
11/20/2018 12:45 PM	8.04
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11/20/2018 2:30 PM	7.95
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11/20/2018 3:00 PM	7.95
11/20/2018 3:15 PM	7.95
11/20/2018 3:30 PM	7.95
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11/20/2018 4:00 PM	8.03
11/20/2018 4:15 PM	8.03
11/20/2018 4:30 PM	8.03
11/20/2018 4:45 PM	8.04
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11/20/2018 8:15 PM	7.88
11/20/2018 8:30 PM	7.88
11/20/2018 8:45 PM	7.87
11/20/2018 9:00 PM	7.83
11/20/2018 9:15 PM	7.82
11/20/2018 9:30 PM	7.82
11/20/2018 9:45 PM	7.81
11/20/2018 10:00 PM	7.81
11/20/2018 10:15 PM	7.81
11/20/2018 10:30 PM	7.81
11/20/2018 10:45 PM	7.81
11/20/2018 11:00 PM	7.79
11/20/2018 11:15 PM	7.87
11/20/2018 11:30 PM	7.88
11/20/2018 11:45 PM	7.89

Date And Time	pH
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11/21/2018 12:15 AM	7.92
11/21/2018 12:30 AM	7.98
11/21/2018 12:45 AM	7.99
11/21/2018 1:00 AM	8.00
11/21/2018 1:15 AM	8.00
11/21/2018 1:30 AM	7.99
11/21/2018 1:45 AM	7.98
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11/21/2018 2:15 AM	7.96
11/21/2018 2:30 AM	7.96
11/21/2018 2:45 AM	7.96
11/21/2018 3:00 AM	7.92
11/21/2018 3:15 AM	7.90
11/21/2018 3:30 AM	7.90
11/21/2018 3:45 AM	7.90
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11/21/2018 4:15 AM	7.89
11/21/2018 4:30 AM	7.89
11/21/2018 4:45 AM	7.88
11/21/2018 5:00 AM	7.92
11/21/2018 5:15 AM	7.95
11/21/2018 7:00 AM	7.94
11/21/2018 7:15 AM	7.94
11/21/2018 7:30 AM	7.98
11/21/2018 7:45 AM	7.98
11/21/2018 8:00 AM	7.93
11/21/2018 8:15 AM	7.93
11/21/2018 8:30 AM	7.94
11/21/2018 8:45 AM	7.94
11/21/2018 9:00 AM	7.91
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11/21/2018 10:00 PM	7.81
11/21/2018 10:15 PM	7.81
11/21/2018 10:30 PM	7.81
11/21/2018 10:45 PM	7.81
11/21/2018 11:00 PM	7.79
11/21/2018 11:15 PM	7.87
11/21/2018 11:30 PM	7.88
11/21/2018 11:45 PM	7.89

AVG 8.12 AVG 8.01 AVG 7.92

10/21/2018 11:45 PM 8.24

Date And Time	pH
11/22/2018 12:00 AM	7.89
11/22/2018 12:15 AM	7.88
11/22/2018 12:30 AM	7.87
11/22/2018 12:45 AM	7.87
11/22/2018 1:00 AM	7.86
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11/22/2018 1:30 AM	7.82
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11/23/2018 11:45 PM	7.68

Date And Time	pH
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11/24/2018 11:45 PM	7.74

AVG 7.82 AVG 7.77 AVG 7.73

Date And Time	pH
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11/25/2018 11:45 PM	7.74

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Date And Time	pH
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AVG 7.69 AVG 7.75 AVG 7.77

Date And Time	pH
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11/28/2018 7:45 PM	7.83
11/28/2018 8:00 PM	7.81
11/28/2018 8:15 PM	7.75
11/28/2018 8:30 PM	7.76
11/28/2018 8:45 PM	7.76
11/28/2018 9:00 PM	7.76
11/28/2018 9:15 PM	7.81
11/28/2018 9:30 PM	7.87
11/28/2018 9:45 PM	7.89
11/28/2018 10:00 PM	7.89
11/28/2018 10:15 PM	7.88
11/28/2018 10:30 PM	7.87
11/28/2018 10:45 PM	7.85
11/28/2018 11:00 PM	7.84
11/28/2018 11:15 PM	7.84
11/28/2018 11:30 PM	7.84
11/28/2018 11:45 PM	7.84

AVG 7.81 AVG 7.81 AVG 7.81 pH

MIN	7.54
MAX	8.71

Flowrate Calculations

Date	Flow(MGD)
11/1/2018	0.086
11/2/2018	0.083
11/3/2018	0.092
11/4/2018	0.092
11/5/2018	0.086
11/6/2018	0.083
11/7/2018	0.084
11/8/2018	0.091
11/9/2018	0.093
11/10/2018	0.083
11/11/2018	0.092
11/12/2018	0.094
11/13/2018	0.082
11/14/2018	0.092
11/15/2018	0.094
11/16/2018	0.081
11/17/2018	0.093
11/18/2018	0.095
11/19/2018	0.080
11/20/2018	0.095
11/21/2018	0.097
11/22/2018	0.083
11/23/2018	0.085
11/24/2018	0.076
11/25/2018	0.084
11/26/2018	0.086
11/27/2018	0.094
11/28/2018	0.094
11/29/2018	0.081
11/30/2018	0.121

Monthly Avg: 0.089

Daily Max: 0.121

Avtex Fibers
Front Royal, VA
Outfall 004
November 2018 DMR

Sample Date	Sample ID	BOD, mg/L	BOD, kg/d	TSS, mg/L	TSS, kg/d
11/1/2018	AF 11-1FE	0.0	0.0	0.0	0.0
11/8/2018	AF 11-8FE	0.0	0.0	0.0	0.0
11/13/2018	AF 11-13FE	0.0	0.0	0.0	0.0
11/19/2018	AF 11-19FE	0.0	0.0	0.0	0.0
11/27/2018	AF 11-27FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation

If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)
--> (1 mg/L)(1 MG/day)(3.785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day
--> lbs/day = ppm * 8.34 * MGD
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d

Concentration Derivation

If 1 lb/d and 1 MGD (= 1 MG/day)
[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3.785 L/Gal)]
--> ppm = lb/d * (1/8.34) * (1/MGD)

BOD

11/1/2018	0
11/8/2018	0
11/13/2018	0
11/27/2018	0

AVG

0

TSS

11/1/2018	0
11/8/2018	0
11/13/2018	0
11/27/2018	0

AVG

0

CS2*

11/13/2018	0.220	ug/L
11/13/2018	0.0002	mg/L
11/13/2018	0.0001	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)												OMB No. 2040-004			
NAME:	Avtex Fibers			NA			004			DMR MAILING ZIP CODE:			23218		
	ADDRESS:	404 Kendrick Lane			PERMIT NUMBER			DISCHARGE NUMBER			DESCRIPTION:				
Front Royal, VA 22630												GLTP EFFLUENT (OUTFALL 004)			
FACILITY:	AVTEX FIBERS			FROM	YEAR 18	MO 12	DAY 01	TO	YEAR 18	MO 12	DAY 31	External Outfall			
	FRONT ROYAL, VA														
ATTN:															
PARAMETER				QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO.	FREQUENCY	SAMPLE	TYPE		
				VALUE	VALUE	UNITS	VALUE	VALUE	UNITS					EX	
FLOW	SAMPLE MEASUREMENT			0.088	0.121	MGD	*****	*****	*****	0	CONTINUOUS	TIRE			
00056 1 0	PERMIT REQUIREMENT			REPORT MONTHLY AV	REPORT DAILY MAX		*****	*****	*****			CONTINUOUS	TIRE		
PH	SAMPLE MEASUREMENT			*****	*****		7.63	*****	8.14	0	CONTINUOUS	GRAB			
00400 1 0	PERMIT REQUIREMENT			*****	*****		MINIMUM	*****	*****		MAXIMUM	SU	CONTINUOUS	GRAB	
BOD, 5-DAY	SAMPLE MEASUREMENT			<QL	<QL	kg/d	*****	<QL	<QL	0	1/7		8 HC		
00318 1 0	PERMIT REQUIREMENT			36	96		*****	24	64		DAILY MX	mg/L	1/7	8 HC	
EFFLUENT GROSS	MONTHLY AV			DAILY MAX		*****	MONTHLY AV	DAILY MX							
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT			<QL	<QL	kg/d	*****	<QL	<QL	0	1/7	8 HC			
03603 1 0	PERMIT REQUIREMENT			60	190		*****	40	130		DAILY MX	mg/L	1/7	8 HC	
EFFLUENT GROSS	MONTHLY AV			DAILY MAX		*****	MONTHLY AV	DAILY MX							
CARBON DISULFIDE	SAMPLE MEASUREMENT			<QL	<QL	kg/d	*****	<QL	<QL	0	1/30	8 HC			
77041 1 0	PERMIT REQUIREMENT			NL	NL		*****	NL	NL		DAILY MX	mg/L	1/30	8 HC	
EFFLUENT GROSS	MONTHLY AV			DAILY MAX		*****	MONTHLY AV	DAILY MX							
WHOLE EFFLUENT TOXICITY - Ceriodaphnia dubia	SAMPLE MEASUREMENT			*****	*****	TUa	*****	*****	*****	TUa			8 HC		
22414 1 0	PERMIT REQUIREMENT			*****	*****		*****	*****	*****		*****	TUa	1/90		8 HC
EFFLUENT GROSS	MONTHLY AV			DAILY MAX		*****	*****	*****	*****						
WHOLE EFFLUENT TOXICITY - Pimephales promelas	SAMPLE MEASUREMENT			*****	*****	TUa	*****	*****	*****	TUa			8 HC		
22414 1 0	PERMIT REQUIREMENT			*****	*****		*****	*****	*****		*****	TUa	1/90		8 HC
EFFLUENT GROSS	MONTHLY AV			DAILY MAX		*****	*****	*****	*****						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.					TELEPHONE			DATE			
Brian McGinnis Manager, Environmental Remediation												215	299-6047	19	01
TYPED OR PRINTED									SIGNATURE OF PRINCIPAL EXECUTIVE	OFFICER OR AUTHORIZED AGENT	AREA	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS				(Reference all attachments here)											
Attachment: pH compliance monitoring summary (monthly)															
Carbon disulfide: No limit established; monitored monthly; 0.1 mg/L action level															
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.													PAGE	1 OF 10	

Avtex Fibers
Front Royal, VA
Outfall 004
December 2018 DMR

pH Calculations:

Date And Time	pH
12/1/2018 12:00 AM	7.82
12/1/2018 12:15 AM	7.81
12/1/2018 12:30 AM	7.80
12/1/2018 12:45 AM	7.80
12/1/2018 1:00 AM	7.80
12/1/2018 1:15 AM	7.80
12/1/2018 1:30 AM	7.80
12/1/2018 1:45 AM	7.80
12/1/2018 2:00 AM	7.85
12/1/2018 2:15 AM	7.88
12/1/2018 2:30 AM	7.88
12/1/2018 2:45 AM	7.88
12/1/2018 3:00 AM	7.86
12/1/2018 3:15 AM	7.84
12/1/2018 3:30 AM	7.83
12/1/2018 3:45 AM	7.82
12/1/2018 4:00 AM	7.81
12/1/2018 4:15 AM	7.81
12/1/2018 4:30 AM	7.82
12/1/2018 4:45 AM	7.78
12/1/2018 5:00 AM	7.78
12/1/2018 5:15 AM	7.78
12/1/2018 5:30 AM	7.78
12/1/2018 5:45 AM	7.78
12/1/2018 6:00 AM	7.78
12/1/2018 6:15 AM	7.77
12/1/2018 6:30 AM	7.78
12/1/2018 6:45 AM	7.84
12/1/2018 7:00 AM	7.87
12/1/2018 7:15 AM	7.87
12/1/2018 7:30 AM	7.87
12/1/2018 7:45 AM	7.86
12/1/2018 8:00 AM	7.84
12/1/2018 8:15 AM	7.83
12/1/2018 8:30 AM	7.82
12/1/2018 8:45 AM	7.81
12/1/2018 9:00 AM	7.82
12/1/2018 9:15 AM	7.79
12/1/2018 9:30 AM	7.78
12/1/2018 9:45 AM	7.77
12/1/2018 10:00 AM	7.77
12/1/2018 10:15 AM	7.77
12/1/2018 10:30 AM	7.77
12/1/2018 10:45 AM	7.77
12/1/2018 11:00 AM	7.83
12/1/2018 11:15 AM	7.87
12/1/2018 11:30 AM	7.86
12/1/2018 11:45 AM	7.85
12/1/2018 12:00 PM	7.83
12/1/2018 12:15 PM	7.82
12/1/2018 12:30 PM	7.82
12/1/2018 12:45 PM	7.82
12/1/2018 1:00 PM	7.81
12/1/2018 1:15 PM	7.80
12/1/2018 1:30 PM	7.80
12/1/2018 1:45 PM	7.77
12/1/2018 2:00 PM	7.77
12/1/2018 2:15 PM	7.77
12/1/2018 2:30 PM	7.77
12/1/2018 2:45 PM	7.77
12/1/2018 3:00 PM	7.77
12/1/2018 3:15 PM	7.77
12/1/2018 3:30 PM	7.84
12/1/2018 3:45 PM	7.86
12/1/2018 4:00 PM	7.87
12/1/2018 4:15 PM	7.87
12/1/2018 4:30 PM	7.86
12/1/2018 4:45 PM	7.84
12/1/2018 5:00 PM	7.82
12/1/2018 5:15 PM	7.81
12/1/2018 5:30 PM	7.81
12/1/2018 5:45 PM	7.77
12/1/2018 6:00 PM	7.79
12/1/2018 6:15 PM	7.77
12/1/2018 6:30 PM	7.78
12/1/2018 6:45 PM	7.77
12/1/2018 7:00 PM	7.77
12/1/2018 7:15 PM	7.77
12/1/2018 7:30 PM	7.76
12/1/2018 7:45 PM	7.76
12/1/2018 8:00 PM	7.76
12/1/2018 8:15 PM	7.84
12/1/2018 8:30 PM	7.86
12/1/2018 8:45 PM	7.87
12/1/2018 9:00 PM	7.85
12/1/2018 9:15 PM	7.84
12/1/2018 9:30 PM	7.84
12/1/2018 9:45 PM	7.84
12/1/2018 10:00 PM	7.84
12/1/2018 10:15 PM	7.84
12/1/2018 10:30 PM	7.82
12/1/2018 10:45 PM	7.78
12/1/2018 11:00 PM	7.78
12/1/2018 11:15 PM	7.77
12/1/2018 11:30 PM	7.77
12/1/2018 11:45 PM	7.77

Date And Time	pH
12/2/2018 12:00 AM	7.76
12/2/2018 12:15 AM	7.77
12/2/2018 12:30 AM	7.80
12/2/2018 12:45 AM	7.85
12/2/2018 1:00 AM	7.87
12/2/2018 1:15 AM	7.87
12/2/2018 1:30 AM	7.87
12/2/2018 1:45 AM	7.87
12/2/2018 2:00 AM	7.86
12/2/2018 2:15 AM	7.86
12/2/2018 2:30 AM	7.84
12/2/2018 2:45 AM	7.84
12/2/2018 3:00 AM	7.83
12/2/2018 3:15 AM	7.79
12/2/2018 3:30 AM	7.78
12/2/2018 3:45 AM	7.78
12/2/2018 4:00 AM	7.78
12/2/2018 4:15 AM	7.78
12/2/2018 4:30 AM	7.78
12/2/2018 4:45 AM	7.75
12/2/2018 5:00 AM	7.75
12/2/2018 5:15 AM	7.74
12/2/2018 5:30 AM	7.74
12/2/2018 5:45 AM	7.75
12/2/2018 6:00 AM	7.74
12/2/2018 6:15 AM	7.74
12/2/2018 6:30 AM	7.74
12/2/2018 6:45 AM	7.74
12/2/2018 7:00 AM	7.74
12/2/2018 7:15 AM	7.74
12/2/2018 7:30 AM	7.74
12/2/2018 7:45 AM	7.74
12/2/2018 8:00 AM	7.74
12/2/2018 8:15 AM	7.79
12/2/2018 8:30 AM	7.78
12/2/2018 8:45 AM	7.78
12/2/2018 9:00 AM	7.78
12/2/2018 9:15 PM	7.76
12/2/2018 9:30 PM	7.76
12/2/2018 9:45 PM	7.75
12/2/2018 10:00 PM	7.75
12/2/2018 10:15 PM	7.75
12/2/2018 10:30 PM	7.75
12/2/2018 10:45 PM	7.75
12/2/2018 11:00 PM	7.74
12/2/2018 11:15 PM	7.74
12/2/2018 11:30 PM	7.74
12/2/2018 11:45 PM	7.73

Date And Time	pH
12/3/2018 12:00 AM	7.82
12/3/2018 12:15 AM	7.81
12/3/2018 12:30 AM	7.81
12/3/2018 12:45 AM	7.80
12/3/2018 1:00 AM	7.79
12/3/2018 1:15 AM	7.78
12/3/2018 1:30 AM	7.77
12/3/2018 1:45 AM	7.75
12/3/2018 2:00 AM	7.75
12/3/2018 2:15 AM	7.75
12/3/2018 2:30 AM	7.74
12/3/2018 2:45 AM	7.74
12/3/2018 3:00 AM	7.74
12/3/2018 3:15 AM	7.74
12/3/2018 3:30 AM	7.74
12/3/2018 3:45 AM	7.74
12/3/2018 4:00 AM	7.74
12/3/2018 4:15 AM	7.74
12/3/2018 4:30 AM	7.74
12/3/2018 4:45 AM	7.74
12/3/2018 5:00 AM	7.74
12/3/2018 5:15 AM	7.74
12/3/2018 5:30 AM	7.74
12/3/2018 5:45 AM	7.74
12/3/2018 6:00 AM	7.74
12/3/2018 6:15 AM	7.74
12/3/2018 6:30 AM	7.74
12/3/2018 6:45 AM	7.74
12/3/2018 7:00 AM	7.74
12/3/2018 7:15 AM	7.74
12/3/2018 7:30 AM	7.74
12/3/2018 7:45 AM	7.74
12/3/2018 8:00 AM	7.73
12/3/2018 8:15 AM	7.73
12/3/2018 8:30 AM	7.73
12/3/2018 8:45 AM	7.73
12/3/2018 9:00 AM	7.73
12/3/2018 9:15 PM	7.74
12/3/2018 9:30 PM	7.79
12/3/2018 9:45 PM	7.81
12/3/2018 10:00 PM	7.81
12/3/2018 10:15 PM	7.81
12/3/2018 10:30 PM	7.79
12/3/2018 10:45 PM	7.78
12/3/2018 11:00 PM	7.78
12/3/2018 11:15 PM	7.78
12/3/2018 11:30 PM	7.77
12/3/2018 11:45 PM	7.77

AVG 7.81 AVG 7.81 AVG 7.78

Date And Time	pH
12/4/2018 12:00 AM	7.75
12/4/2018 12:15 AM	7.72
12/4/2018 12:30 AM	7.73
12/4/2018 12:45 AM	7.73
12/4/2018 1:00 AM	7.72
12/4/2018 1:15 AM	7.72
12/4/2018 1:30 AM	7.72
12/4/2018 1:45 AM	7.72
12/4/2018 2:00 AM	7.72
12/4/2018 2:15 AM	7.78
12/4/2018 2:30 AM	7.81
12/4/2018 2:45 AM	7.82
12/4/2018 3:00 AM	7.83
12/4/2018 3:15 AM	7.82
12/4/2018 3:30 AM	7.80
12/4/2018 3:45 AM	7.79
12/4/2018 4:00 AM	7.79
12/4/2018 4:15 AM	7.79
12/4/2018 4:30 AM	7.75
12/4/2018 4:45 AM	7.73
12/4/2018 5:00 AM	7.73
12/4/2018 5:15 AM	7.73
12/4/2018 5:30 AM	7.73
12/4/2018 5:45 AM	7.72
12/4/2018 6:00 AM	7.72
12/4/2018 6:15 AM	7.73
12/4/2018 6:30 AM	7.72
12/4/2018 6:45 AM	7.79
12/4/2018 7:00 AM	7.82
12/4/2018 7:15 AM	7.83
12/4/2018 7:30 AM	7.84
12/4/2018 7:45 AM	7.83
12/4/2018 8:00 AM	7.83
12/4/2018 8:15 AM	7.82
12/4/2018 8:30 AM	7.80
12/4/2018 8:45 AM	7.79
12/4/2018 9:00 AM	7.77
12/4/2018 9:15 AM	7.74
12/4/2018 9:30 AM	7.74
12/4/2018 9:45 AM	7.73
12/4/2018 10:00 AM	7.73
12/4/2018 10:15 AM	7.73
12/4/2018 10:30 AM	7.72
12/4/2018 10:45 AM	7.76
12/4/2018 11:00 AM	7.81
12/4/2018 11:15 AM	7.83
12/4/2018 11:30 AM	7.83
12/4/2018 11:45 AM	7.83
12/4/2018 12:00 PM	7.82
12/4/2018 12:15 PM	7.81
12/4/2018 12:30 PM	7.81
12/4/2018 12:45 PM	7.79
12/4/2018 1:00 PM	7.80
12/4/2018 1:15 PM	7.79
12/4/2018 1:30 PM	7.78
12/4/2018 1:45 PM	7.78
12/4/2018 2:00 PM	7.78
12/4/2018 2:15 PM	7.77
12/4/2018 2:30 PM	7.77
12/4/2018 2:45 PM	7.77
12/4/2018 3:00 PM	7.73
12/4/2018 3:15 PM	7.72
12/4/2018 3:30 PM	7.72
12/4/2018 3:45 PM	7.78
12/4/2018 4:00 PM	7.82
12/4/2018 4:15 PM	7.82
12/4/2018 4:30 PM	7.83
12/4/2018 4:45 PM	7.81
12/4/2018 5:00 PM	7.80
12/4/2018 5:15 PM	7.79
12/4/2018 5:30 PM	7.79
12/4/2018 5:45 PM	7.78
12/4/2018 6:00 PM	7.74
12/4/2018 6:15 PM	7.72
12/4/2018 6:30 PM	7.72
12/4/2018 6:45 PM	7.72
12/4/2018 7:00 PM	7.72
12/4/2018 7:15 PM	7.71
12/4/2018 7:30 PM	7.72
12/4/2018 7:45 PM	7.71
12/4/2018 8:00 PM	7.71
12/4/2018 8:15 PM	7.78
12/4/2018 8:30 PM	7.81
12/4/2018 8:45 PM	7.82
12/4/2018 9:00 PM	7.82
12/4/2018 9:15 PM	7.82
12/4/2018 9:30 PM	7.81
12/4/2018 9:45 PM	7.80
12/4/2018 10:00 PM	7.88
12/4/2018 10:15 PM	7.79
12/4/2018 10:30 PM	7.75
12/4/2018 10:45 PM	7.73
12/4/2018 11:00 PM	7.72
12/4/2018 11:15 PM	7.72
12/4/2018 11:30 PM	7.72
12/4/2018 11:45 PM	7.72

Date And Time	pH
12/5/2018 12:00 AM	7.71
12/5/2018 12:15 AM	7.73
12/5/2018 12:30 AM	7.80
12/5/2018 12:45 AM	7.81
12/5/2018 1:00 AM	7.82
12/5/2018 1:15 AM	7.82
12/5/2018 1:30 AM	7.82
12/5/2018 1:45 AM	7.80
12/5/2018 2:00 AM	7.79
12/5/2018 2:15 AM	7.79
12/5/2018 2:30 AM	7.78
12/5/2018 2:45 AM	7.78
12/5/2018 3:00 AM	7.74
12/5/2018 3:15 AM	7.72
12/5/2018 3:30 AM	7.71
12/5/2018 3:45 AM	7.71
12/5/2018 4:00 AM	7.71
12/5/2018 4:15 AM	7.71
12/5/2018 4:30 AM	7.79
12/5/2018 4:45 AM	7.79
12/5/2018 5:00 AM	7.74
12/5/2018 5:15 AM	7.79
12/5/2018 5:30 AM	7.79
12/5/2018 5:45 AM	7.78
12/5/2018 6:00 AM	7.81
12/5/2018 6:15 AM	7.69
12/5/2018 6:30 AM	7.69
12/5/2018 6:45 AM	7.76
12/5/2018 7:00 AM	7.76
12/5/2018 7:15 AM	7.80
12/5/2018 7:30 AM	7.80
12/5/2018 7:45 AM	7.79
12/5/2018 8:00 AM	7.77
12/5/2018 8:15 AM	7.76
12/5/2018 8:30 AM	7.76
12/5/2018 8:45 AM	7.75
12/5/2018 9:00 AM	7.71
12/5/2018 9:15 PM	7.68
12/5/2018 9:30 PM	7.69
12/5/2018 9:45 PM	7.68
12/5/2018 10:00 PM	7.69
12/5/2018 10:15 PM	7.69
12/5/2018 10:30 PM	7.68
12/5/2018 10:45 PM	7.68
12/5/2018 11:00 PM	7.71
12/5/2018 11:15 PM	7.77
12/5/2018 11:30 PM	7.79
12/5/2018 11:45 PM	7.80

Date And Time	pH
12/6/2018 12:00 AM	7.80
12/6/2018 12:15 AM	7.79
12/6/2018 12:30 AM	7.78
12/6/2018 12:45 AM	7.77
12/6/2018 1:00 AM	7.76
12/6/2018 1:15 AM	7.75
12/6/2018 1:30 AM	7.72
12/6/2018 1:45 AM	7.70
12/6/2018 2:00 AM	7.69
12/6/2018 2:15 AM	7.69
12/6/2018 2:30 AM	7.69
12/6/2018 2:45 AM	7.69
12/6/2018 3:00 AM	7.69
12/6/2018 3:15 AM	7.68
12/6/2018 3:30 AM	7.66
12/6/2018 3:45 AM	7.78
12/6/2018 4:00 AM	7.79
12/6/2018 4:15 AM	7.79
12/6/2018 4:30 AM	7.76
12/6/2018 4:45 AM	7.77
12/6/2018 5:00 AM	7.75
12/6/2018 5:15 AM	7.75
12/6/2018 5:30 AM	7.74
12/6/2018 5:45 AM	7.74
12/6/2018 6:00 AM	7.74
12/6/2018 6:15 AM	7.68
12/6/2018 6:30 AM	7.73
12/6/2018 6:45 AM	7.75
12/6/2018 7:00 AM	7.75
12/6/2018 7:15 AM	7.71
12/6/2018 7:30 AM	7.68
12/6/2018 7:45 AM	7.67
12/6/2018 8:00 AM	7.67
12/6/2018 8:15 AM	7.70
12/6/2018 8:30 AM	7.74
12/6/2018 8:45 AM	7.77
12/6/2018 9:00 AM	7.76
12/6/2018 9:15 PM	7.66
12/6/2018 9:30 PM	7.66
12/6/2018 9:45 PM	7.72
12/6/2018 10:00 PM	7.75
12/6/2018 10:15 PM	7.76
12/6/2018 10:30 PM	7.76
12/6/2018 10:45 PM	7.76
12/6/2018 11:00 PM	7.75
12/6/2018 11:15 PM	7.75
12/6/2018 11:30 PM	7.74
12/6/2018 11:45 PM	7.74

AVG 7.77 AVG 7.75 AVG 7.73

Date And Time	pH
12/7/2018 12:00 AM	7.69
12/7/2018 12:15 AM	7.67
12/7/2018 12:30 AM	7.66
12/7/2018 12:45 AM	7.66
12/7/2018 1:00 AM	7.66
12/7/2018 1:15 AM	7.65
12/7/2018 1:30 AM	7.65
12/7/2018 1:45 AM	7.68
12/7/2018 2:00 AM	7.74
12/7/2018 2:15 AM	7.75
12/7/2018 2:30 AM	7.76
12/7/2018 2:45 AM	7.76
12/7/2018 3:00 AM	7.76
12/7/2018 3:15 AM	7.75
12/7/2018 3:30 AM	7.74
12/7/2018 3:45 AM	7.73
12/7/2018 4:00 AM	7.72
12/7/2018 4:15 AM	7.72
12/7/2018 4:30 AM	7.69
12/7/2018 4:45 AM	7.66
12/7/2018 5:00 AM	7.65
12/7/2018 5:15 AM	7.65
12/7/2018 5:30 AM	7.65
12/7/2018 5:45 AM	7.65
12/7/2018 6:00 AM	7.65
12/7/2018 6:15 AM	7.64
12/7/2018 6:30 AM	7.68
12/7/2018 6:45 AM	7.74
12/7/2018 7:00 AM	7.75
12/7/2018 7:15 AM	7.75
12/7/2018 7:30 AM	7.74
12/7/2018 7:45 AM	7.72
12/7/2018 8:00 AM	7.71
12/7/2018 8:15 AM	7.71
12/7/2018 8:30 AM	7.71
12/7/2018 8:45 AM	7.70
12/7/2018 9:00 AM	7.66
12/7/2018 9:15 AM	7.64
12/7/2018 9:30 AM	7.63
12/7/2018 9:45 AM	7.69
12/7/2018 10:00 AM	7.65
12/7/2018 10:15 AM	7.64
12/7/2018 10:30 AM	7.64
12/7/2018 10:45 AM	7.68
12/7/2018 11:00 AM	7.73
12/7/2018 11:15 AM	7.76
12/7/2018 11:30 AM	7.78
12/7/2018 11:45 AM	7.78
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12/7/2018 12:45 PM	7.78
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12/7/2018 1:15 PM	7.74
12/7/2018 1:30 PM	7.73
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12/7/2018 2:45 PM	7.72
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12/7/2018 6:00 PM	7.71
12/7/2018 6:15 PM	7.71
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12/7/2018 7:30 PM	7.64
12/7/2018 7:45 PM	7.64
12/7/2018 8:00 PM	7.64
12/7/2018 8:15 PM	7.70
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12/7/2018 10:30 PM	7.65
12/7/2018 10:45 PM	7.64
12/7/2018 11:00 PM	7.63
12/7/2018 11:15 PM	7.64
12/7/2018 11:30 PM	7.64
12/7/2018 11:45 PM	7.64

Date And Time	pH
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12/8/2018 12:15 AM	7.63
12/8/2018 12:30 AM	7.63
12/8/2018 12:45 AM	7.69
12/8/2018 1:00 AM	7.73
12/8/2018 1:15 AM	7.74
12/8/2018 1:30 AM	7.74
12/8/2018 1:45 AM	7.73
12/8/2018 2:00 AM	7.71
12/8/2018 2:15 AM	7.71
12/8/2018 2:30 AM	7.70
12/8/2018 2:45 AM	7.70
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12/8/2018 3:45 AM	7.64
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12/8/2018 5:45 AM	7.64
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12/8/2018 8:30 AM	7.72
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12/8/2018 9:30 PM	7.65
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12/8/2018 10:00 PM	7.65
12/8/2018 10:15 PM	7.65
12/8/2018 10:30 PM	7.64
12/8/2018 10:45 PM	7.65
12/8/2018 11:00 PM	7.64
12/8/2018 11:15 PM	7.70
12/8/2018 11:30 PM	7.74
12/8/2018 11:45 PM	7.76

Date And Time	pH
12/9/2018 12:00 AM	7.76
12/9/2018 12:15 AM	7.75
12/9/2018 12:30 AM	7.74
12/9/2018 12:45 AM	7.72
12/9/2018 1:00 AM	7.72
12/9/2018 1:15 AM	7.71
12/9/2018 1:30 AM	7.68
12/9/2018 1:45 AM	7.65
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12/9/2018 2:15 AM	7.65
12/9/2018 2:30 AM	7.65
12/9/2018 2:45 AM	7.65
12/9/2018 3:00 AM	7.64
12/9/2018 3:15 AM	7.64
12/9/2018 3:30 AM	7.73
12/9/2018 3:45 AM	7.76
12/9/2018 4:00 AM	7.77
12/9/2018 4:15 AM	7.77
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12/9/2018 4:45 AM	7.74
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12/9/2018 5:30 AM	7.72
12/9/2018 5:45 AM	7.72
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12/9/2018 7:30 AM	7.65
12/9/2018 7:45 AM	7.65
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12/9/2018 8:15 AM	7.72
12/9/2018 8:30 AM	7.72
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12/9/2018 9:00 AM	7.66
12/9/2018 9:15 PM	7.66
12/9/2018 9:30 PM	7.65
12/9/2018 9:45 PM	7.73
12/9/2018 10:00 PM	7.76
12/9/2018 10:15 PM	7.78
12/9/2018 10:30 PM	7.78
12/9/2018 10:45 PM	7.78
12/9/2018 11:00 PM	7.76
12/9/2018 11:15 PM	7.75
12/9/2018 11:30 PM	7.74
12/9/2018 11:45 PM	7.73

AVG 7.70 7.69 AVG 7.69 7.69

Date And Time	pH
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12/10/2018 12:30 AM	7.67
12/10/2018 12:45 AM	7.67
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12/10/2018 1:15 AM	7.67
12/10/2018 1:30 AM	7.66
12/10/2018 1:45 AM	7.67
12/10/2018 2:00 AM	7.66
12/10/2018 2:15 AM	7.72
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12/10/2018 2:45 AM	7.78
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12/10/2018 3:15 AM	7.77
12/10/2018 3:30 AM	7.76
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12/10/2018 8:30 AM	7.74
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12/10/2018 8:30 PM	7.79
12/10/2018 8:45 PM	7.80
12/10/2018 9:00 PM	7.80
12/10/2018 9:15 PM	7.78
12/10/2018 9:30 PM	7.77
12/10/2018 9:45 PM	7.76
12/10/2018 10:00 PM	7.76
12/10/2018 10:15 PM	7.75
12/10/2018 10:30 PM	7.71
12/10/2018 10:45 PM	7.69
12/10/2018 11:00 PM	7.69
12/10/2018 11:15 PM	7.69
12/10/2018 11:30 PM	7.69
12/10/2018 11:45 PM	7.69

Date And Time	pH
12/11/2018 12:00 AM	7.69
12/11/2018 12:15 AM	7.69
12/11/2018 12:30 AM	7.69
12/11/2018 12:45 AM	7.76
12/11/2018 1:00 AM	7.80
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12/11/2018 1:30 AM	7.81
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12/11/2018 2:30 AM	7.77
12/11/2018 2:45 AM	7.77
12/11/2018 3:00 AM	7.77
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12/11/2018 3:30 AM	7.69
12/11/2018 3:45 AM	7.70
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12/11/2018 4:15 AM	7.70
12/11/2018 4:30 AM	7.70
12/11/2018 4:45 AM	7.72
12/11/2018 5:00 AM	7.72
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12/11/2018 5:45 AM	7.82
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12/11/2018 6:15 AM	7.81
12/11/2018 6:30 AM	7.79
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12/11/2018 9:30 AM	7.70
12/11/2018 9:45 AM	7.70
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12/11/2018 10:15 PM	7.71
12/11/2018 10:30 PM	7.72
12/11/2018 10:45 PM	7.72
12/11/2018 11:00 PM	7.72
12/11/2018 11:15 PM	7.79
12/11/2018 11:30 PM	7.81
12/11/2018 11:45 PM	7.82

Date And Time	pH
12/12/2018 12:00 AM	7.82
12/12/2018 12:15 AM	7.80
12/12/2018 12:30 AM	7.79
12/12/2018 12:45 AM	7.79
12/12/2018 1:00 AM	7.79
12/12/2018 1:15 AM	7.78
12/12/2018 1:30 AM	7.75
12/12/2018 1:45 AM	7.72
12/12/2018 2:00 AM	7.72
12/12/2018 2:15 AM	7.72
12/12/2018 2:30 AM	7.72
12/12/2018 2:45 AM	7.72
12/12/2018 3:00 AM	7.72
12/12/2018 3:15 AM	7.72
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12/12/2018 3:45 AM	7.78
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12/12/2018 9:45 AM	7.85
12/12/2018 10:00 AM	7.84
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12/12/2018 10:30 AM	7.81
12/12/2018 10:45 AM	7.81
12/12/2018 11:00 AM	7.75
12/12/2018 11:15 AM	7.75
12/12/2018 11:30 AM	7.74
12/12/2018 11:45 AM	7.74

AVG 7.72 AVG 7.77 AVG 7.80

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 12/12/2018 10:15 PM 7.86
 12/12/2018 10:30 PM 7.86
 12/12/2018 10:45 PM 7.85
 12/12/2018 11:00 PM 7.84
 12/12/2018 11:15 PM 7.83
 12/12/2018 11:30 PM 7.83
 12/12/2018 11:45 PM 7.83

Date And Time	pH
12/13/2018 12:00 AM	7.79
12/13/2018 12:15 AM	7.77
12/13/2018 12:30 AM	7.76
12/13/2018 12:45 AM	7.76
12/13/2018 1:00 AM	7.75
12/13/2018 1:15 AM	7.76
12/13/2018 1:30 AM	7.76
12/13/2018 1:45 AM	7.76
12/13/2018 2:00 AM	7.76
12/13/2018 2:15 AM	7.82
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12/13/2018 2:45 AM	7.86
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12/13/2018 4:30 PM	7.81
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12/13/2018 9:45 PM	7.79
12/13/2018 10:00 PM	7.79
12/13/2018 10:15 PM	7.79
12/13/2018 10:30 PM	7.77
12/13/2018 10:45 PM	7.74
12/13/2018 11:00 PM	7.73
12/13/2018 11:15 PM	7.73
12/13/2018 11:30 PM	7.73
12/13/2018 11:45 PM	7.73

Date And Time	pH
12/14/2018 12:00 AM	7.72
12/14/2018 12:15 AM	7.72
12/14/2018 12:30 AM	7.72
12/14/2018 12:45 AM	7.72
12/14/2018 1:00 AM	7.73
12/14/2018 1:15 AM	7.74
12/14/2018 1:30 AM	7.79
12/14/2018 1:45 AM	7.81
12/14/2018 2:00 AM	7.82
12/14/2018 2:15 AM	7.82
12/14/2018 2:30 AM	7.82
12/14/2018 2:45 AM	7.81
12/14/2018 3:00 AM	7.81
12/14/2018 3:15 AM	7.80
12/14/2018 3:30 AM	7.79
12/14/2018 3:45 AM	7.79
12/14/2018 4:00 AM	7.79
12/14/2018 4:15 AM	7.82
12/14/2018 4:30 AM	7.81
12/14/2018 4:45 AM	7.81
12/14/2018 5:00 AM	7.80
12/14/2018 5:15 AM	7.80
12/14/2018 5:30 AM	7.80
12/14/2018 5:45 AM	7.80
12/14/2018 6:00 AM	7.80
12/14/2018 6:15 AM	7.91
12/14/2018 6:30 AM	7.90
12/14/2018 6:45 AM	7.91
12/14/2018 7:00 AM	7.91
12/14/2018 7:15 AM	7.91
12/14/2018 7:30 AM	7.91
12/14/2018 7:45 AM	7.80
12/14/2018 8:00 AM	7.87
12/14/2018 8:15 PM	7.91
12/14/2018 8:30 PM	7.91
12/14/2018 8:45 PM	7.91
12/14/2018 9:00 PM	7.90
12/14/2018 9:15 PM	7.88
12/14/2018 9:30 PM	7.87
12/14/2018 9:45 PM	7.87
12/14/2018 10:00 PM	7.87
12/14/2018 10:15 PM	7.86
12/14/2018 10:30 PM	7.86
12/14/2018 10:45 PM	7.86
12/14/2018 11:00 PM	7.86
12/14/2018 11:15 PM	7.80
12/14/2018 11:30 PM	7.79
12/14/2018 11:45 PM	7.79

Date And Time	pH
12/15/2018 12:00 AM	7.79
12/15/2018 12:15 AM	7.79
12/15/2018 12:30 AM	7.80
12/15/2018 12:45 AM	7.80
12/15/2018 1:00 AM	7.80
12/15/2018 1:15 AM	7.84
12/15/2018 1:30 AM	7.90
12/15/2018 1:45 AM	7.92
12/15/2018 2:00 AM	7.92
12/15/2018 2:15 AM	7.92
12/15/2018 2:30 AM	7.91
12/15/2018 2:45 AM	7.90
12/15/2018 3:00 AM	7.89
12/15/2018 3:15 AM	7.89
12/15/2018 3:30 AM	7.89
12/15/2018 3:45 AM	7.83
12/15/2018 4:00 AM	7.82
12/15/2018 4:15 AM	7.81
12/15/2018 4:30 AM	7.81
12/15/2018 4:45 AM	7.81
12/15/2018 5:00 AM	7.81
12/15/2018 5:15 AM	7.80
12/15/2018 5:30 AM	7.80
12/15/2018 5:45 AM	7.83
12/15/2018 6:00 AM	7.90
12/15/2018 6:15 AM	7.92
12/15/2018 6:30 AM	7.92
12/15/2018 6:45 AM	7.92
12/15/2018 7:00 AM	7.91
12/15/2018 7:15 AM	7.91
12/15/2018 7:30 AM	7.90
12/15/2018 7:45 AM	7.89
12/15/2018 8:00 AM	7.89
12/15/2018 8:15 AM	7.84
12/15/2018 8:30 AM	7.82
12/15/2018 8:45 AM	7.82
12/15/2018 9:00 AM	7.82
12/15/2018 9:15 AM	7.81
12/15/2018 9:30 AM	7.81
12/15/2018 9:45 AM	7.81
12/15/2018 10:00 AM	7.87
12/15/2018 10:15 PM	7.81
12/15/2018 10:30 PM	7.81
12/15/2018 10:45 PM	7.81
12/15/2018 11:00 PM	7.81
12/15/2018 11:15 PM	7.80
12/15/2018 11:30 PM	7.85
12/15/2018 11:45 PM	7.89

AVG 7.81 AVG 7.79 AVG 7.86

Date And Time	pH
12/16/2018 12:00 AM	7.90
12/16/2018 12:15 AM	7.91
12/16/2018 12:30 AM	7.91
12/16/2018 12:45 AM	7.90
12/16/2018 1:00 AM	7.89
12/16/2018 1:15 AM	7.90
12/16/2018 1:30 AM	7.88
12/16/2018 1:45 AM	7.87
12/16/2018 2:00 AM	7.87
12/16/2018 2:15 AM	7.83
12/16/2018 2:30 AM	7.81
12/16/2018 2:45 AM	7.81
12/16/2018 3:00 AM	7.80
12/16/2018 3:15 AM	7.81
12/16/2018 3:30 AM	7.80
12/16/2018 3:45 AM	7.80
12/16/2018 4:00 AM	7.80
12/16/2018 4:15 AM	7.84
12/16/2018 4:30 AM	7.89
12/16/2018 4:45 AM	7.90
12/16/2018 5:00 AM	7.91
12/16/2018 5:15 AM	7.91
12/16/2018 5:30 AM	7.90
12/16/2018 5:45 AM	7.90
12/16/2018 6:00 AM	7.90
12/16/2018 6:15 AM	7.89
12/16/2018 6:30 AM	7.88
12/16/2018 6:45 AM	7.83
12/16/2018 7:00 AM	7.81
12/16/2018 7:15 AM	7.81
12/16/2018 7:30 AM	7.81
12/16/2018 7:45 AM	7.80
12/16/2018 8:00 AM	7.80
12/16/2018 8:15 AM	7.80
12/16/2018 8:30 AM	7.80
12/16/2018 8:45 AM	7.81
12/16/2018 9:00 AM	7.88
12/16/2018 9:15 AM	7.90
12/16/2018 9:30 AM	7.91
12/16/2018 9:45 AM	7.91
12/16/2018 10:00 AM	7.91
12/16/2018 10:15 AM	7.90
12/16/2018 10:30 AM	7.88
12/16/2018 10:45 AM	7.88
12/16/2018 11:00 AM	7.87
12/16/2018 11:15 AM	7.83
12/16/2018 11:30 AM	7.81
12/16/2018 11:45 AM	7.81
12/16/2018 12:00 PM	7.80
12/16/2018 12:15 PM	7.81
12/16/2018 12:30 PM	7.80
12/16/2018 12:45 PM	7.80
12/16/2018 1:00 PM	7.80
12/16/2018 1:15 PM	7.86
12/16/2018 1:30 PM	7.89
12/16/2018 1:45 PM	7.91
12/16/2018 2:00 PM	7.92
12/16/2018 2:15 PM	7.92
12/16/2018 2:30 PM	7.90
12/16/2018 2:45 PM	7.91
12/16/2018 3:00 PM	7.91
12/16/2018 3:15 PM	7.90
12/16/2018 3:30 PM	7.89
12/16/2018 3:45 PM	7.89
12/16/2018 4:00 PM	7.89
12/16/2018 4:15 PM	7.89
12/16/2018 4:30 PM	7.90
12/16/2018 4:45 PM	7.90
12/16/2018 5:00 PM	7.90
12/16/2018 5:15 PM	7.90
12/16/2018 5:30 PM	7.90
12/16/2018 5:45 PM	7.90
12/16/2018 6:00 PM	7.90
12/16/2018 6:15 PM	7.90
12/16/2018 6:30 PM	7.90
12/16/2018 6:45 PM	7.89
12/16/2018 7:00 PM	7.90
12/16/2018 7:15 PM	7.90
12/16/2018 7:30 PM	7.90
12/16/2018 7:45 PM	7.90
12/16/2018 8:00 PM	7.90
12/16/2018 8:15 PM	7.88
12/16/2018 8:30 PM	7.84
12/16/2018 8:45 PM	7.82
12/16/2018 9:00 PM	7.81
12/16/2018 9:15 PM	7.80
12/16/2018 9:30 PM	7.80
12/16/2018 9:45 PM	7.80
12/16/2018 10:00 PM	7.79
12/16/2018 10:15 PM	7.80
12/16/2018 10:30 PM	7.86
12/16/2018 10:45 PM	7.87
12/16/2018 11:00 PM	7.88
12/16/2018 11:15 PM	7.88
12/16/2018 11:30 PM	7.89
12/16/2018 11:45 PM	7.89

AVG

7.86

Date And Time	pH
12/17/2018 12:00 AM	7.88
12/17/2018 12:15 AM	7.88
12/17/2018 12:30 AM	7.88
12/17/2018 12:45 AM	7.89
12/17/2018 1:00 AM	7.88
12/17/2018 1:15 AM	7.88
12/17/2018 1:30 AM	7.89
12/17/2018 1:45 AM	7.89
12/17/2018 2:00 AM	7.88
12/17/2018 2:15 AM	7.88
12/17/2018 2:30 AM	7.88
12/17/2018 2:45 AM	7.88
12/17/2018 3:00 AM	7.88
12/17/2018 3:15 AM	7.87
12/17/2018 3:30 AM	7.87
12/17/2018 3:45 AM	7.86
12/17/2018 4:00 AM	7.85
12/17/2018 4:15 AM	7.88
12/17/2018 4:30 AM	7.88
12/17/2018 4:45 AM	7.88
12/17/2018 5:00 AM	7.88
12/17/2018 5:15 AM	7.88
12/17/2018 5:30 AM	7.88
12/17/2018 5:45 AM	7.88
12/17/2018 6:00 AM	7.88
12/17/2018 6:15 AM	7.88
12/17/2018 6:30 AM	7.88
12/17/2018 6:45 AM	7.88
12/17/2018 7:00 AM	7.88
12/17/2018 7:15 AM	7.88
12/17/2018 7:30 AM	7.88
12/17/2018 7:45 AM	7.88
12/17/2018 8:00 AM	7.83
12/17/2018 8:15 AM	7.83
12/17/2018 8:30 AM	7.89
12/17/2018 8:45 AM	7.89
12/17/2018 9:00 AM	7.84
12/17/2018 9:15 PM	7.83
12/17/2018 9:30 PM	7.83
12/17/2018 9:45 PM	7.81
12/17/2018 10:00 PM	7.91
12/17/2018 10:15 PM	7.93
12/17/2018 10:30 PM	7.95
12/17/2018 10:45 PM	7.94
12/17/2018 11:00 PM	7.93
12/17/2018 11:15 PM	7.86
12/17/2018 11:30 PM	7.85
12/17/2018 11:45 PM	7.85

AVG

7.83

Date And Time	pH
12/18/2018 12:00 AM	7.85
12/18/2018 12:15 AM	7.84
12/18/2018 12:30 AM	7.84
12/18/2018 12:45 AM	7.85
12/18/2018 1:00 AM	7.86
12/18/2018 1:15 AM	7.94
12/18/2018 1:30 AM	7.96
12/18/2018 1:45 AM	7.96
12/18/2018 2:00 AM	7.96
12/18/2018 2:15 AM	7.96
12/18/2018 2:30 AM	7.95
12/18/2018 2:45 AM	7.94
12/18/2018 3:00 AM	7.94
12/18/2018 3:15 AM	7.94
12/18/2018 3:30 AM	7.94
12/18/2018 3:45 AM	7.88
12/18/2018 4:00 AM	7.86
12/18/2018 4:15 AM	7.86
12/18/2018 4:30 AM	7.94
12/18/2018 4:45 AM	7.86
12/18/2018 5:00 AM	7.86
12/18/2018 5:15 AM	7.86
12/18/2018 5:30 AM	7.87
12/18/2018 5:45 AM	7.94
12/18/2018 6:00 AM	7.94
12/18/2018 6:15 AM	7.91
12/18/2018 6:30 AM	7.91
12/18/2018 6:45 AM	7.91
12/18/2018 7:00 AM	7.91
12/18/2018 7:15 AM	7.99
12/18/2018 7:30 PM	7.99
12/18/2018 7:45 PM	8.03
12/18/2018 8:00 PM	8.02
12/18/2018 8:15 PM	8.01
12/18/2018 8:30 PM	8.00
12/18/2018 8:45 PM	8.00
12/18/2018 9:00 PM	7.99
12/18/2018 9:15 PM	7.99
12/18/2018 9:30 PM	7.98
12/18/2018 9:45 PM	7.91
12/18/2018 10:00 PM	7.90
12/18/2018 10:15 PM	7.90
12/18/2018 10:30 PM	7.90
12/18/2018 10:45 PM	7.89
12/18/2018 11:00 PM	7.89
12/18/2018 11:15 PM	7.89
12/18/2018 11:30 PM	7.85
12/18/2018 11:45 PM	8.01

AVG

7.95

Date And Time	pH
12/19/2018 12:00 AM	8.04
12/19/2018 12:15 AM	8.05
12/19/2018 12:30 AM	8.05
12/19/2018 12:45 AM	8.04
12/19/2018 1:00 AM	8.03
12/19/2018 1:15 AM	8.03
12/19/2018 1:30 AM	8.02
12/19/2018 1:45 AM	8.01
12/19/2018 2:00 AM	8.01
12/19/2018 2:15 AM	7.92
12/19/2018 2:30 AM	7.89
12/19/2018 2:45 AM	7.89
12/19/2018 3:00 AM	7.89
12/19/2018 3:15 AM	7.88
12/19/2018 3:30 AM	7.88
12/19/2018 3:45 AM	7.88
12/19/2018 4:00 AM	7.87
12/19/2018 4:15 AM	7.96
12/19/2018 4:30 AM	8.02
12/19/2018 4:45 AM	8.03
12/19/2018 5:00 AM	8.03
12/19/2018 5:15 AM	8.03
12/19/2018 5:30 AM	8.02
12/19/2018 5:45 AM	8.01
12/19/2018 6:00 AM	8.00
12/19/2018 6:15 AM	7.99
12/19/2018 6:30 AM	7.99
12/19/2018 6:45 AM	7.89
12/19/2018 7:00 AM	7.87
12/19/2018 7:15 AM	7.87
12/19/2018 7:30 AM	7.87
12/19/2018 7:45 AM	7.87
12/19/2018 8:00 AM	7.86
12/19/2018 8:15 AM	7.86
12/19/2018 8:30 AM	7.85
12/19/2018 8:45 AM	7.84
12/19/2018 9:00 AM	7.96
12/19/2018 9:15 AM	7.99
12/19/2018 9:30 AM	8.00
12/19/2018 9:45 AM	8.00
12/19/2018 10:00 AM	8.00
12/19/2018 10:15 AM	8.00
12/19/2018 10:30 AM	8.00
12/19/2018 10:45 AM	8.00
12/19/2018 11:00 AM	8.00
12/19/2018 11:15 AM	7.92
12/19/2018 11:30 AM	7.88
12/19/2018 11:45 AM	7.87
12/19/2018 12:00 PM	7.86
12/19/2018 12:15 PM	7.85
12/19/2018 12:30 PM	7.84
12/19/2018 12:45 PM	7.87
12/19/2018 1:00 PM	7.93
12/19/2018 1:15 PM	7.95
12/19/2018 1:30 PM	7.96
12/19/2018 1:45 PM	7.96
12/19/2018 2:00 PM	7.96
12/19/2018 2:15 PM	7.98
12/19/2018 2:30 PM	7.99
12/19/2018 2:45 PM	7.99
12/19/2018 3:00 PM	7.99
12/19/2018 3:15 PM	7.99
12/19/2018 3:30 PM	7.99
12/19/2018 3:45 PM	7.94
12/19/2018 4:00 PM	7.89
12/19/2018 4:15 PM	7.88
12/19/2018 4:30 PM	7.87
12/19/2018 4:45 PM	7.87
12/19/2018 5:00 PM	7.86
12/19/2018 5:15 PM	7.86
12/19/2018 5:30 PM	7.86
12/19/2018 5:45 PM	7.89
12/19/2018 6:00 PM	7.93
12/19/2018 6:15 PM	7.95
12/19/2018 6:30 PM	7.95
12/19/2018 6:45 PM	7.96
12/19/2018 7:00 PM	7.96
12/19/2018 7:15 PM	7.96
12/19/2018 7:30 PM	7.96
12/19/2018 7:45 PM	7.95
12/19/2018 8:00 PM	7.95
12/19/2018 8:15 PM	7.89
12/19/2018 8:30 PM	7.87
12/19/2018 8:45 PM	7.85
12/19/2018 9:00 PM	7.85
12/19/2018 9:15 PM	7.85
12/19/2018 9:30 PM	7.85
12/19/2018 9:45 PM	7.85
12/19/2018 10:00 PM	7.84
12/19/2018 10:15 PM	7.84
12/19/2018 10:30 PM	7.90
12/19/2018 10:45 PM	7.94
12/19/2018 11:00 PM	7.94
12/19/2018 11:15 PM	7.95
12/19/2018 11:30 PM	7.95
12/19/2018 11:45 PM	7.94

AVG

7.93

Date And Time	pH
12/20/2018 12:00 AM	7.94
12/20/2018 12:15 AM	7.93
12/20/2018 12:30 AM	7.92
12/20/2018 12:45 AM	7.86
12/20/2018 1:00 AM	7.85
12/20/2018 1:15 AM	7.84
12/20/2018 1:30 AM	7.84
12/20/2018 1:45 AM	7.83
12/20/2018 2:00 AM	7.84
12/20/2018 2:15 AM	7.84
12/20/2018 2:30 AM	7.92
12/20/2018 2:45 AM	7.94
12/20/2018 3:00 AM	7.95
12/20/2018 3:15 AM	7.95
12/20/2018 3:30 AM	7.94
12/20/2018 3:45 AM	7.94
12/20/2018 4:00 AM	7.93
12/20/2018 4:15 AM	7.92
12/20/2018 4:30 AM	7.92
12/20/2018 4:45 AM	7.91
12/20/2018 5:00 AM	7.91
12/20/2018 5:15 AM	7.91
12/20/2018 5:30 AM	7.91
12/20/2018 5:45 AM	7.91
12/20/2018 6:00 AM	7.91
12/20/2018 6:15 AM	7.91
12/20/2018 6:30 AM	7.91
12/20/2018 6:45 AM	7.91
12/20/2018 7:00 AM	7.88
12/20/2018 7:15 AM	7.88
12/20/2018 7:30 AM	7.88
12/20/2018 7:45 AM	7.88
12/20/2018 8:00 AM	7.81
12/20/2018 8:15 AM	7.81
12/20/2018 8:30 AM	7.81
12/20/2018 8:45 AM	7.81
12/20/2018 9:00 AM	7.90
12/20/2018 9:15 PM	7.91
12/20/2018 9:30 PM	7.90
12/20/2018 9:45 PM	7.90
12/20/2018 10:00 PM	7.89
12/20/2018 10:15 PM	7.89
12/20/2018 10:30 PM	7.88
12/20/2018 10:45 PM	7.88
12/20/2018 11:00 PM	7.88
12/20/2018 11:15 PM	7.81
12/20/2018 11:30 PM	7.78
12/20/2018 11:45 PM	7.81

AVG

7.88

Date And Time	pH
12/21/2018 12:00 AM	7.80
12/21/2018 12:15 AM	7.80
12/21/2018 12:30 AM	7.81
12/21/2018 12:45 AM	7.80
12/21/2018 1:00 AM	7.81
12/21/2018 1:15 AM	7.90
12/21/2018 1:30 AM	7.93
12/21/2018 1:45 AM	7.92
12/21/2018 2:00 AM	7.91
12/21/2018 2:15 AM	7.92
12/21/2018 2:30 AM	7.90
12/21/2018 2:45 AM	7.91
12/21/2018 3:00 AM	7.90
12/21/2018 3:15 AM	7.91
12/21/2018 3:30 AM	7.91
12/21/2018 3:45 AM	7.84
12/21/2018 4:00 AM	7.83
12/21/2018 4:15 AM	7.82
12/21/2018 4:30 AM	7.93
12/21/2018 4:45 AM	7.91
12/21/2018 5:00 AM	7.91
12/21/2018 5:15 AM	7.91
12/21/2018 5:30 AM	7.91
12/21/2018 5:45 AM	7.91
12/21/2018 6:00 AM	7.92
12/21/2018 6:15 AM	7.92
12/21/2018 6:30 AM	7.93
12/21/2018 6:45 AM	7.92
12/21/2018 7:00 AM	7.92
12/21/2018 7:15 AM	7.93
12/21/2018 7:30 AM	7.93
12/21/2018 7:45 AM	7.93
12/21/2018 8:00 AM	7.93
12/21/2018 8:15 AM	7.87
12/21/2018 8:30 AM	7.87
12/21/2018 8:45 AM	7.87
12/21/2018 9:00 AM	7.82
12/21/2018 9:15 AM	7.81
12/21/2018 9:30 AM	7.81
12/21/2018 9:45 AM	7.80
12/21/2018 10:00 PM	7.78
12/21/2018 10:15 PM	7.78
12/21/2018 10:30 PM	7.78
12/21/2018 10:45 PM	7.78
12/21/2018 11:00 PM	7.77
12/21/2018 11:15 PM	7.78
12/21/2018 11:30 PM	7.78
12/21/2018 11:45 PM	7.77

AVG

7.86

Date And Time	pH
12/22/2018 12:00 AM	7.77
12/22/2018 12:15 AM	7.77
12/22/2018 12:30 AM	7.77
12/22/2018 12:45 AM	7.81
12/22/2018 1:00 AM	7.85
12/22/2018 1:15 AM	7.86
12/22/2018 1:30 AM	7.86
12/22/2018 1:45 AM	7.87
12/22/2018 2:00 AM	7.86
12/22/2018 2:15 AM	7.80
12/22/2018 2:30 AM	7.79
12/22/2018 2:45 AM	7.78
12/22/2018 3:00 AM	7.78
12/22/2018 3:15 AM	7.78
12/22/2018 3:30 AM	7.78
12/22/2018 3:45 AM	7.78
12/22/2018 4:00 AM	7.78
12/22/2018 4:15 AM	7.77
12/22/2018 4:30 AM	7.78
12/22/2018 4:45 AM	7.79
12/22/2018 5:00 AM	7.85
12/22/2018 5:15 AM	7.87
12/22/2018 5:30 AM	7.88
12/22/2018 5:45 AM	7.89
12/22/2018 6:00 AM	7.89
12/22/2018 6:15 AM	7.89
12/22/2018 6:30 AM	7.88
12/22/2018 6:45 AM	7.82
12/22/2018 7:00 AM	7.80
12/22/2018 7:15 AM	7.79
12/22/2018 7:30 AM	7.79
12/22/2018 7:45 AM	7.79
12/22/2018 8:00 AM	7.79
12/22/2018 8:15 AM	7.79
12/22/2018 8:30 AM	7.78
12/22/2018 8:45 AM	7.80
12/22/2018 9:00 AM	7.86
12/22/2018 9:15 AM	7.87
12/22/2018 9:30 AM	7.88
12/22/2018 9:45 AM	7.88
12/22/2018 10:00 AM	7.88
12/22/2018 10:15 AM	7.86
12/22/2018 10:30 AM	7.85
12/22/2018 10:45 AM	7.85
12/22/2018 11:00 AM	7.85
12/22/2018 11:15 AM	7.80
12/22/2018 11:30 AM	7.78
12/22/2018 11:45 AM	7.77
12/22/2018 12:00 PM	7.77
12/22/2018 12:15 PM	7.78
12/22/2018 12:30 PM	7.78
12/22/2018 12:45 PM	7.78
12/22/2018 1:00 PM	7.78
12/22/2018 1:15 PM	7.82
12/22/2018 1:30 PM	7.87
12/22/2018 1:45 PM	7.88
12/22/2018 2:00 PM	7.88
12/22/2018 2:15 PM	7.88
12/22/2018 2:30 PM	7.87
12/22/2018 2:45 PM	7.85
12/22/2018 3:00 PM	7.85
12/22/2018 3:15 PM	7.84
12/22/2018 3:30 PM	7.84
12/22/2018 3:45 PM	7.79
12/22/2018 4:00 PM	7.78
12/22/2018 4:15 PM	7.78
12/22/2018 4:30 PM	7.78
12/22/2018 4:45 PM	7.78
12/22/2018 5:00 PM	7.78
12/22/2018 5:15 PM	7.78
12/22/2018 5:30 PM	7.78
12/22/2018 5:45 PM	7.83
12/22/2018 6:00 PM	7.87
12/22/2018 6:15 PM	7.89
12/22/2018 6:30 PM	7.89
12/22/2018 6:45 PM	7.89
12/22/2018 7:00 PM	7.88
12/22/2018 7:15 PM	7.87
12/22/2018 7:30 PM	7.86
12/22/2018 7:45 PM	7.86
12/22/2018 8:00 PM	7.85
12/22/2018 8:15 PM	7.85
12/22/2018 8:30 PM	7.84
12/22/2018 8:45 PM	7.85
12/22/2018 9:00 PM	7.85
12/22/2018 9:15 PM	7.85
12/22/2018 9:30 PM	7.82
12/22/2018 9:45 PM	7.79
12/22/2018 10:00 PM	7.77
12/22/2018 10:15 PM	7.87
12/22/2018 10:30 PM	7.89
12/22/2018 10:45 PM	7.89
12/22/2018 11:00 PM	7.89
12/22/2018 11:15 PM	7.88
12/22/2018 11:30 PM	7.89
12/22/2018 11:45 PM	7.88

Date And Time	pH
12/23/2018 12:00 AM	7.87
12/23/2018 12:15 AM	7.86
12/23/2018 12:30 AM	7.88
12/23/2018 12:45 AM	7.81
12/23/2018 1:00 AM	7.80
12/23/2018 1:15 AM	7.79
12/23/2018 1:30 AM	7.78
12/23/2018 1:45 AM	7.78
12/23/2018 2:00 AM	7.78
12/23/2018 2:15 AM	7.78
12/23/2018 2:30 AM	7.78
12/23/2018 2:45 AM	7.75
12/23/2018 3:00 AM	7.86
12/23/2018 3:15 AM	7.88
12/23/2018 3:30 AM	7.89
12/23/2018 3:45 AM	7.88
12/23/2018 4:00 AM	7.88
12/23/2018 4:15 AM	7.88
12/23/2018 4:30 AM	7.78
12/23/2018 4:45 AM	7.85
12/23/2018 5:00 AM	7.86
12/23/2018 5:15 AM	7.84
12/23/2018 5:30 AM	7.79
12/23/2018 5:45 AM	7.77
12/23/2018 6:00 AM	7.86
12/23/2018 6:15 AM	7.87
12/23/2018 6:30 AM	7.87
12/23/2018 6:45 AM	7.81
12/23/2018 7:00 AM	7.78
12/23/2018 7:15 PM	7.78
12/23/2018 7:30 PM	7.77
12/23/2018 7:45 PM	7.77
12/23/2018 8:00 PM	7.77
12/23/2018 8:15 PM	7.76
12/23/2018 8:30 PM	7.81
12/23/2018 8:45 PM	7.84
12/23/2018 9:00 PM	7.84
12/23/2018 9:15 PM	7.84
12/23/2018 9:30 PM	7.84
12/23/2018 9:45 PM	7.84
12/23/2018 10:00 PM	7.83
12/23/2018 10:15 PM	7.84
12/23/2018 10:30 PM	7.84
12/23/2018 10:45 PM	7.83
12/23/2018 11:00 PM	7.84
12/23/2018 11:15 PM	7.78
12/23/2018 11:30 PM	7.76
12/23/2018 11:45 PM	7.76

Date And Time	pH
12/24/2018 12:00 AM	7.76
12/24/2018 12:15 AM	7.75
12/24/2018 12:30 AM	7.75
12/24/2018 12:45 AM	7.75
12/24/2018 1:00 AM	7.75
12/24/2018 1:15 AM	7.76
12/24/2018 1:30 AM	7.82
12/24/2018 1:45 AM	7.84
12/24/2018 2:00 AM	7.85
12/24/2018 2:15 AM	7.85
12/24/2018 2:30 AM	7.85
12/24/2018 2:45 AM	7.85
12/24/2018 3:00 AM	7.85
12/24/2018 3:15 AM	7.84
12/24/2018 3:30 AM	7.84
12/24/2018 3:45 AM	7.78
12/24/2018 4:00 AM	7.77
12/24/2018 4:15 AM	7.76
12/24/2018 4:30 AM	7.82
12/24/2018 4:45 AM	7.85
12/24/2018 5:00 AM	7.75
12/24/2018 5:15 AM	7.75
12/24/2018 5:30 AM	7.75
12/24/2018 5:45 AM	7.77
12/24/2018 6:00 AM	7.82
12/24/2018 6:15 AM	7.85
12/24/2018 6:30 AM	7.85
12/24/2018 6:45 AM	7.85
12/24/2018 7:00 AM	7.84
12/24/2018 7:15 AM	7.84
12/24/2018 7:30 AM	7.82
12/24/2018 7:45 AM	7.82
12/24/2018 8:00 AM	7.81
12/24/2018 8:15 AM	7.81
12/24/2018 8:30 AM	7.85
12/24/2018 8:45 AM	7.86
12/24/2018 9:00 AM	7.85
12/24/2018 9:15 PM	7.85
12/24/2018 9:30 PM	7.85
12/24/2018 9:45 PM	7.85
12/24/2018 10:00 PM	7.85
12/24/2018 10:15 PM	7.85
12/24/2018 10:30 PM	7.84
12/24/2018 10:45 PM	7.83
12/24/2018 11:00 PM	7.80
12/24/2018 11:15 PM	7.77
12/24/2018 11:30 PM	7.76
12/24/2018 11:45 PM	7.82

AVG 7.83 AVG 7.82 AVG 7.81

Date And Time	pH
12/25/2018 12:00 AM	7.84
12/25/2018 12:15 AM	7.84
12/25/2018 12:30 AM	7.84
12/25/2018 12:45 AM	7.84
12/25/2018 1:00 AM	7.83
12/25/2018 1:15 AM	7.82
12/25/2018 1:30 AM	7.82
12/25/2018 1:45 AM	7.81
12/25/2018 2:00 AM	7.81
12/25/2018 2:15 AM	7.76
12/25/2018 2:30 AM	7.75
12/25/2018 2:45 AM	7.75
12/25/2018 3:00 AM	7.74
12/25/2018 3:15 AM	7.74
12/25/2018 3:30 AM	7.74
12/25/2018 3:45 AM	7.74
12/25/2018 4:00 AM	7.74
12/25/2018 4:15 AM	7.73
12/25/2018 4:30 AM	7.81
12/25/2018 4:45 AM	7.83
12/25/2018 5:00 AM	7.84
12/25/2018 5:15 AM	7.84
12/25/2018 5:30 AM	7.83
12/25/2018 5:45 AM	7.82
12/25/2018 6:00 AM	7.82
12/25/2018 6:15 AM	7.81
12/25/2018 6:30 AM	7.81
12/25/2018 6:45 AM	7.75
12/25/2018 7:00 AM	7.75
12/25/2018 7:15 AM	7.74
12/25/2018 7:30 AM	7.74
12/25/2018 7:45 AM	7.74
12/25/2018 8:00 AM	7.74
12/25/2018 8:15 AM	7.73
12/25/2018 8:30 AM	7.73
12/25/2018 8:45 AM	7.81
12/25/2018 9:00 AM	7.84
12/25/2018 9:15 AM	7.84
12/25/2018 9:30 AM	7.85
12/25/2018 9:45 AM	7.85
12/25/2018 10:00 AM	7.84
12/25/2018 10:15 AM	7.84
12/25/2018 10:30 AM	7.83
12/25/2018 10:45 AM	7.82
12/25/2018 11:00 AM	7.82
12/25/2018 11:15 AM	7.77
12/25/2018 11:30 AM	7.75
12/25/2018 11:45 AM	7.74
12/25/2018 12:00 PM	7.74
12/25/2018 12:15 PM	7.74
12/25/2018 12:30 PM	7.74
12/25/2018 12:45 PM	7.74
12/25/2018 1:00 PM	7.77
12/25/2018 1:15 PM	7.82
12/25/2018 1:30 PM	7.84
12/25/2018 1:45 PM	7.85
12/25/2018 2:00 PM	7.85
12/25/2018 2:15 PM	7.85
12/25/2018 2:30 PM	7.85
12/25/2018 2:45 PM	7.85
12/25/2018 3:00 PM	7.85
12/25/2018 3:15 PM	7.85
12/25/2018 3:30 PM	7.84
12/25/2018 3:45 PM	7.79
12/25/2018 4:00 PM	7.76
12/25/2018 4:15 PM	7.76
12/25/2018 4:30 PM	7.75
12/25/2018 4:45 PM	7.75
12/25/2018 5:00 PM	7.75
12/25/2018 5:15 PM	7.75
12/25/2018 5:30 PM	7.75
12/25/2018 5:45 PM	7.77
12/25/2018 6:00 PM	7.82
12/25/2018 6:15 PM	7.84
12/25/2018 6:30 PM	7.84
12/25/2018 6:45 PM	7.85
12/25/2018 7:00 PM	7.84
12/25/2018 7:15 PM	7.84
12/25/2018 7:30 PM	7.83
12/25/2018 7:45 PM	7.82
12/25/2018 8:00 PM	7.82
12/25/2018 8:15 PM	7.76
12/25/2018 8:30 PM	7.75
12/25/2018 8:45 PM	7.74
12/25/2018 9:00 PM	7.75
12/25/2018 9:15 PM	7.74
12/25/2018 9:30 PM	7.74
12/25/2018 9:45 PM	7.74
12/25/2018 10:00 PM	7.78
12/25/2018 10:15 PM	7.83
12/25/2018 10:30 PM	7.84
12/25/2018 10:45 PM	7.84
12/25/2018 11:00 PM	7.84
12/25/2018 11:15 PM	7.83
12/25/2018 11:30 PM	7.82
12/25/2018 11:45 PM	7.81

AVG

7.80

AVG

7.80

AVG

7.82

Date And Time	pH
12/26/2018 12:00 AM	7.81
12/26/2018 12:15 AM	7.81
12/26/2018 12:30 AM	7.80
12/26/2018 12:45 AM	7.74
12/26/2018 1:00 AM	7.74
12/26/2018 1:15 AM	7.74
12/26/2018 1:30 AM	7.73
12/26/2018 1:45 AM	7.73
12/26/2018 2:00 AM	7.74
12/26/2018 2:15 AM	7.74
12/26/2018 2:30 AM	7.73
12/26/2018 2:45 AM	7.73
12/26/2018 3:00 AM	7.83
12/26/2018 3:15 AM	7.84
12/26/2018 3:30 AM	7.84
12/26/2018 3:45 AM	7.84
12/26/2018 4:00 AM	7.83
12/26/2018 4:15 AM	7.81
12/26/2018 4:30 AM	7.81
12/26/2018 4:45 AM	7.77
12/26/2018 5:00 AM	7.81
12/26/2018 5:15 AM	7.81
12/26/2018 5:30 AM	7.80
12/26/2018 5:45 AM	7.80
12/26/2018 6:00 AM	7.80
12/26/2018 6:15 AM	7.80
12/26/2018 6:30 AM	7.80
12/26/2018 6:45 AM	7.77
12/26/2018 7:00 PM	7.76
12/26/2018 7:15 PM	7.76
12/26/2018 7:30 PM	7.76
12/26/2018 7:45 PM	7.75
12/26/2018 8:00 PM	7.75
12/26/2018 8:15 PM	7.76
12/26/2018 8:30 PM	7.75
12/26/2018 8:45 PM	7.74
12/26/2018 9:00 PM	7.80
12/26/2018 9:15 PM	7.81
12/26/2018 9:30 PM	7.82
12/26/2018 9:45 PM	7.83
12/26/2018 10:00 PM	7.82
12/26/2018 10:15 PM	7.82
12/26/2018 10:30 PM	7.82
12/26/2018 10:45 PM	7.81
12/26/2018 11:00 PM	7.81
12/26/2018 11:15 PM	7.77
12/26/2018 11:30 PM	7.75
12/26/2018 11:45 PM	7.75

Date And Time	pH
12/27/2018 12:00 AM	7.75
12/27/2018 12:15 AM	7.75
12/27/2018 12:30 AM	7.76
12/27/2018 12:45 AM	7.76
12/27/2018 1:00 AM	7.78
12/27/2018 1:15 AM	7.82
12/27/2018 1:30 AM	7.84
12/27/2018 1:45 AM	7.84
12/27/2018 2:00 AM	7.84
12/27/2018 2:15 AM	7.84
12/27/2018 2:30 AM	7.83
12/27/2018 2:45 AM	7.83
12/27/2018 3:00 AM	7.82
12/27/2018 3:15 AM	7.82
12/27/2018 3:30 AM	7.82
12/27/2018 3:45 AM	7.77
12/27/2018 4:00 AM	7.76
12/27/2018 4:15 AM	7.76
12/27/2018 4:30 AM	7.83
12/27/2018 4:45 AM	7.83
12/27/2018 5:00 AM	7.83
12/27/2018 5:15 AM	7.83
12/27/2018 5:30 AM	7.79
12/27/2018 5:45 AM	7.79
12/27/2018 6:00 AM	7.79
12/27/2018 6:15 AM	7.78
12/27/2018 6:30 AM	7.78
12/27/2018 6:45 AM	7.84
12/27/2018 7:00 PM	7.78
12/27/2018 7:15 PM	7.78
12/27/2018 7:30 PM	7.83
12/27/2018 7:45 PM	7.86
12/27/2018 8:00 PM	7.86
12/27/2018 8:15 PM	7.86
12/27/2018 8:30 PM	7.86
12/27/2018 8:45 PM	7.85
12/27/2018 9:00 PM	7.84
12/27/2018 9:15 PM	7.84
12/27/2018 9:30 PM	7.83
12/27/2018 9:45 PM	7.79
12/27/2018 10:00 PM	7.78
12/27/2018 10:15 PM	7.78
12/27/2018 10:30 PM	7.78
12/27/2018 10:45 PM	7.78
12/27/2018 11:00 PM	7.78
12/27/2018 11:15 PM	7.78
12/27/2018 11:30 PM	7.82
12/27/2018 11:45 PM	7.86

AVG

7.80

AVG

7.82

Date And Time	pH
12/28/2018 12:00 AM	7.87
12/28/2018 12:15 AM	7.88
12/28/2018 12:30 AM	7.88
12/28/2018 12:45 AM	7.89
12/28/2018 1:00 AM	7.88
12/28/2018 1:15 AM	7.88
12/28/2018 1:30 AM	7.89
12/28/2018 1:45 AM	7.89
12/28/2018 2:00 AM	7.88
12/28/2018 2:15 AM	7.84
12/28/2018 2:30 AM	7.81
12/28/2018 2:45 AM	7.80
12/28/2018 3:00 AM	7.80
12/28/2018 3:15 AM	7.79
12/28/2018 3:30 AM	7.79
12/28/2018 3:45 AM	7.79
12/28/2018 4:00 AM	7.78
12/28/2018 4:15 AM	7.81
12/28/2018 4:30 AM	7.86
12/28/2018 4:45 AM	7.87
12/28/2018 5:00 AM	7.88
12/28/2018 5:15 AM	7.88
12/28/2018 5:30 AM	7.88
12/28/2018 5:45 AM	7.87
12/28/2018 6:00 AM	7.86
12/28/2018 6:15 AM	7.86
12/28/2018 6:30 AM	7.87
12/28/2018 6:45 AM	7.80
12/28/2018 7:00 AM	7.79
12/28/2018 7:15 AM	7.79
12/28/2018 7:30 AM	7.78
12/28/2018 7:45 AM	7.79
12/28/2018 8:00 AM	7.79
12/28/2018 8:15 AM	7.79
12/28/2018 8:30 AM	7.78
12/28/2018 8:45 AM	7.81
12/28/2018 9:00 AM	7.86
12/28/2018 9:15 AM	7.87
12/28/2018 9:30 AM	7.88
12/28/2018 9:45 AM	7.89
12/28/2018 10:00 AM	7.89
12/28/2018 10:15 AM	7.90
12/28/2018 10:30 AM	7.90
12/28/2018 10:45 AM	7.90
12/28/2018 11:00 AM	7.90
12/28/2018 11:15 AM	7.85
12/28/2018 11:30 AM	7.82
12/28/2018 11:45 AM	7.81
12/28/2018 12:00 PM	7.80
12/28/2018 12:15 PM	7.80
12/28/2018 12:30 PM	7.80
12/28/2018 12:45 PM	7.79
12/28/2018 1:00 PM	7.85
12/28/2018 1:15 PM	7.87
12/28/2018 1:30 PM	7.88
12/28/2018 1:45 PM	7.87
12/28/2018 2:00 PM	7.87
12/28/2018 2:15 PM	7.86
12/28/2018 2:30 PM	7.86
12/28/2018 2:45 PM	7.86
12/28/2018 3:00 PM	7.85
12/28/2018 3:15 PM	7.85
12/28/2018 3:30 PM	7.85
12/28/2018 3:45 PM	7.85
12/28/2018 4:00 PM	7.84
12/28/2018 4:15 PM	7.84
12/28/2018 4:30 PM	7.84
12/28/2018 4:45 PM	7.83
12/28/2018 5:00 PM	7.83
12/28/2018 5:15 PM	7.80
12/28/2018 5:30 PM	7.79
12/28/2018 5:45 PM	7.79
12/28/2018 6:00 PM	7.86
12/28/2018 6:15 PM	7.88
12/28/2018 6:30 PM	7.88
12/28/2018 6:45 PM	7.87
12/28/2018 7:00 PM	7.87
12/28/2018 7:15 PM	7.85
12/28/2018 7:30 PM	7.84
12/28/2018 7:45 PM	7.84
12/28/2018 8:00 PM	7.84
12/28/2018 8:15 PM	7.88
12/28/2018 8:30 PM	7.79
12/28/2018 8:45 PM	7.79
12/28/2018 9:00 PM	7.78
12/28/2018 9:15 PM	7.78
12/28/2018 9:30 PM	7.78
12/28/2018 9:45 PM	7.78
12/28/2018 10:00 PM	7.78
12/28/2018 10:15 PM	7.78
12/28/2018 10:30 PM	7.84
12/28/2018 10:45 PM	7.86
12/28/2018 11:00 PM	7.87
12/28/2018 11:15 PM	7.87
12/28/2018 11:30 PM	7.87
12/28/2018 11:45 PM	7.87

AVG

7.84

AVG

7.84

AVG

7.86

MIN	7.63
MAX	8.14

MIN	7.63
MAX	8.14

Date And Time	pH
12/31/2018 12:00 AM	7.87
12/31/2018 12:15 AM	7.89
12/31/2018 12:30 AM	7.90
12/31/2018 12:45 AM	7.90
12/31/2018 1:00 AM	7.90
12/31/2018 1:15 AM	7.90
12/31/2018 1:30 AM	7.90
12/31/2018 1:45 AM	7.89
12/31/2018 2:00 AM	7.89
12/31/2018 2:15 AM	7.84
12/31/2018 2:30 AM	7.82
12/31/2018 2:45 AM	7.82
12/31/2018 3:00 AM	7.82
12/31/2018 3:15 AM	7.82
12/31/2018 3:30 AM	7.82
12/31/2018 3:45 AM	7.82
12/31/2018 4:00 AM	7.87
12/31/2018 4:15 AM	7.90
12/31/2018 4:30 AM	7.91
12/31/2018 4:45 AM	7.91
12/31/2018 5:00 AM	7.91
12/31/2018 5:15 AM	7.91
12/31/2018 5:30 AM	7.90
12/31/2018 5:45 AM	7.89
12/31/2018 6:00 AM	7.89
12/31/2018 6:15 AM	7.88
12/31/2018 6:30 AM	7.88
12/31/2018 6:45 AM	7.83
12/31/2018 7:00 AM	7.82
12/31/2018 7:15 AM	7.82
12/31/2018 7:30 AM	7.81
12/31/2018 7:45 AM	7.81
12/31/2018 8:00 AM	7.82
12/31/2018 8:15 AM	7.82
12/31/2018 8:30 AM	7.82
12/31/2018 8:45 AM	7.84
12/31/2018 9:00 AM	7.90
12/31/2018 9:15 AM	7.91
12/31/2018 9:30 AM	7.91
12/31/2018 9:45 AM	7.91
12/31/2018 10:00 AM	7.91
12/31/2018 10:15 AM	7.91
12/31/2018 10:30 AM	7.91
12/31/2018 10:45 AM	7.89
12/31/2018 11:00 AM	7.88
12/31/2018 11:15 AM	7.84
12/31/2018 11:30 AM	7.82
12/31/2018 11:45 AM	7.82
12/31/2018 12:00 PM	7.82
12/31/2018 12:15 PM	7.82
12/31/2018 12:30 PM	7.82
12/31/2018 12:45 PM	7.82
12/31/2018 1:00 PM	7.82
12/31/2018 1:15 PM	7.88
12/31/2018 1:30 PM	7.91
12/31/2018 1:45 PM	7.91
12/31/2018 2:00 PM	7.91
12/31/2018 2:15 PM	7.91
12/31/2018 2:30 PM	7.91
12/31/2018 2:45 PM	7.91
12/31/2018 3:00 PM	7.91
12/31/2018 3:15 PM	7.91
12/31/2018 3:30 PM	7.91
12/31/2018 3:45 PM	7.85
12/31/2018 4:00 PM	7.83
12/31/2018 4:15 PM	7.82
12/31/2018 4:30 PM	7.82
12/31/2018 4:45 PM	7.82
12/31/2018 5:00 PM	7.82
12/31/2018 5:15 PM	7.82
12/31/2018 5:30 PM	7.85
12/31/2018 5:45 PM	7.90
12/31/2018 6:00 PM	7.91
12/31/2018 6:15 PM	7.92
12/31/2018 6:30 PM	7.92
12/31/2018 6:45 PM	7.93
12/31/2018 7:00 PM	7.93
12/31/2018 7:15 PM	7.93
12/31/2018 7:30 PM	7.93
12/31/2018 7:45 PM	7.93
12/31/2018 8:00 PM	7.93
12/31/2018 8:15 PM	7.87
12/31/2018 8:30 PM	7.85
12/31/2018 8:45 PM	7.84
12/31/2018 9:00 PM	7.83
12/31/2018 9:15 PM	7.83
12/31/2018 9:30 PM	7.82
12/31/2018 9:45 PM	7.82
12/31/2018 10:00 PM	7.82
12/31/2018 10:15 PM	7.85
12/31/2018 10:30 PM	7.89
12/31/2018 10:45 PM	7.91
12/31/2018 11:00 PM	7.91
12/31/2018 11:15 PM	7.92
12/31/2018 11:30 PM	7.92
12/31/2018 11:45 PM	7.92

AVG 7.87

Avtex Fibers
Front Royal, VA
Outfall 004
December 2018 DMR

Sample Date	Sample ID	BOD, mg/L	BOD, kg/d	TSS, mg/L	TSS, kg/d
12/6/2018	AF 12-6FE	0.0	0.0	0.0	0.0
12/11/2018	AF 12-11FE	0.0	0.0	0.0	0.0
12/18/2018	AF 12-18FE	0.0	0.0	0.0	0.0
12/27/2018	AF 12-27FE	0.0	0.0	0.0	0.0
Daily Maximum:		0.0	0.0	0.0	0.0
Monthly Avg:		0.0	0.0	0.0	0.0

Monthly Average – Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL used for the analysis, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported monthly average concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported concentration data (including the defined zeros) and flow data for each sample day to determine the daily quantity and report the monthly average of the calculated daily quantities.

Daily Maximum – Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.1 shall be determined as follows: All concentration data below the QL used for the analysis shall be treated as zero. All concentration data equal to or above the QL used for the analysis shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL used for the analysis, then the maximum value of the daily averages shall be reported as "<QL". If reporting for quantity is required on the DMR and the reported daily maximum concentration is <QL, then report "<QL" for the quantity. Otherwise use the reported daily average concentrations (including the defined zeros) and corresponding daily flows to determine daily average quantities and report the maximum of the daily average quantities during the reporting month.

Loading Derivation	
If 1 ppm (= 1 mg/L) and 1 MGD (= 1 MG/day)	
--> (1 mg/L)(1 MG/day)(3,785 L/Gal)(10^6 Gal/MG)(1 lb/453,600 mg) = 8.34 lbs/day	
--> lbs/day = ppm * 8.34 * MGD	
--> kg/d = ppm * 8.34 * MGD * 0.4536*lb/d	
Concentration Derivation	
If 1 lb/d and 1 MGD (= 1 MG/day)	
[(1 lbs/day)(453,600 mg/lb)] / [(1 MG/d)(10^6 Gal/MG)(3,785 L/Gal)]	
--> ppm = lb/d * (1/8.34) * (1/MGD)	

BOD

12/6/2018	0
12/11/2018	0
12/18/2018	0
12/27/2018	0

AVG

0

TSS

12/6/2018	0
12/11/2018	0
12/18/2018	0
12/27/2018	0

AVG

0

CS2*

12/12/2018	0.220	ug/L
12/12/2018	0.000220	mg/L
12/12/2018	0.0001	kg/d

*Note: CS2 EPA Test Method: 8260 MSV Low Level Analytical Method (EPA 8260)

Report Limit 2 ug/L
MDL 1.2 ug/L

Attachment 4
Preliminary Site-Wide Quarterly
Inspection

Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson
 Report No.: 2018-11

Date: 11-29-2018
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations
1. Remediation/Restoration Areas		
Is settlement or standing water evident? If Yes, describe the degree of settlement(s) (slight, moderate, significant), record approximate dimensions, and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Slight to moderate settlement in small/isolated areas. Standing water present in nine areas (SE of VB-2&3, around wells 103/203/303, near LS-2, on roadway to LS-1, two areas on top of VB-9, two areas on top of VB-10, and two areas on top of SB-3) of the site during this inspection.
Is erosion evident? If Yes, describe the type of erosion (rills, gullies), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Are potential leachate seeps evident or migration of contamination? If Yes, describe the nature (size, color, flow rate), record location on an attached map, and photograph. [Note: Check former seep areas in unnamed tributary north of VB 4-6, check pond area north of VB 9, and check other likely areas (e.g., embankments of VBs, SBs)]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See map for locations. Potential seeps: -South of LS2 (standing water present) -SE of VB-2&3 (Standing water present) -NW of VB-7&8 (Dry)
Do landfill/basin embankments show signs of erosion, failure (e.g., cracking, sloughing) or migration of contamination (e.g., seeps, exposed waste)? If Yes, describe the nature (type, size), record location on an attached map, and photograph [Note: Check river-side of embankments along river, if safe to do so.]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is vegetation distressed or are bare areas evident? If Yes, describe the type of disorder (distressed, sparsely vegetated, bare), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Isolated/minor bare areas noted. See map for locations. With few exceptions, vegetation is filling in.

Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson
 Report No.: 2018-11

Date: 11-29-2018
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations	
Is there woody vegetation greater than 2 inches in diameter or 5 feet in height on the cover system(s)? If Yes, describe where and actions to be taken (refer to Section 4.2 of the O&M Plan).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is any other damage evident? If Yes, describe the type of damage(s) and indicate the location(s) on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Are obstruction(s) (brush, debris, timber, leaves, sediment) interfering with the proper functioning of ditches, gutters or flumes? If Yes, describe the type(s) of obstruction(s) and indicate the location(s) on an attached map.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Minor obstructions at one location: 1. Sediment building up at end of culvert southeast of VB-10 causing standing water in culvert. Issue to be monitored.
Is sediment deposited in diversion berms, ditches gutters, flumes or culverts deeper than $\frac{1}{4}$ of the original channel depth (shown on the contract drawings) or culvert diameter? If Yes, record approximate dimensions and indicate locations on an attached map.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Quarterly Inspection Report

Inspected by: M. Harder / M. Robinson
 Report No.: 2018-11

Date: 11-29-2018
 Areas Inspected: See Map

Questions	Response	Comments and Recommendations
2. Surface Water Drainage and Erosion Control System		
Is erosion evident? If Yes, describe the drainage structure inspected (ditch, gutter, flume, culvert, outfall, rip-rap), the type of erosion (rills, gullies, washouts, slope failure), record approximate dimensions (length, width, depth) and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Minor erosion noted in a few isolated areas. See map for locations. Rills forming across access road to LS-1 (west of VB-4, 5, & 6). Rills have also formed on north bank of the sediment basin between the NLF and VB-2&3. Rills have re-formed across the roadway southwest of VB-10.
Is overall shape, configuration, and alignment of the drainageway as shown on the drawings? If No, describe the type of distortion (damaged, eroded, slope failure), record approximate dimensions and indicate location(s) on an attached map.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Is erosion evident at drainage outlet aprons? If Yes, record approximate dimensions and indicate location(s) on an attached map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Inspection Checklist (check items that were inspected; document concerns noted;
refer to attached Drawings for specific areas)

Viscos Basins 1-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

Viscos Basins 4-6

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets - N, E, & W of VB 4-6; - Pond W of VB 4-6	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Gas Vent Filter & Fence
<input checked="" type="checkbox"/> Former seep area - N of VB 4-6	<input checked="" type="checkbox"/> LS #1 & #2 and Fencing	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

Viscos Basins 7-8

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert Inlets & outlets (between VB-1 and VB-7)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> Leachate Collection Manhole (MW VB7)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Viscos Basins 9-11

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Drop inlets on VB-11	<input checked="" type="checkbox"/> Culver inlets & outlets (S&W VB-11; N VB-11 & VB-9; and SW VB-10)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes
<input checked="" type="checkbox"/> Access road near unit	<input checked="" type="checkbox"/> Seep area in pond north of VB-9	<input checked="" type="checkbox"/> VB 9-11 fence and gates	<input checked="" type="checkbox"/> LS #4 and Fencing

New Landfill

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & SE of NLF)	<input checked="" type="checkbox"/> Rip-rap channels	<input checked="" type="checkbox"/> Down chutes	<input checked="" type="checkbox"/> LS #3 and Fencing
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-1

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE SB-1; SB-2; SE SB-3; NE SB-4; & S SB-4)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Down chutes (SB-1 & SB-4)	<input type="checkbox"/>
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Inspection Checklist (check items that were inspected; document concerns noted;
refer to attached Drawings for specific areas)

SB-2

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & Outlets (S & W Sides)
<input checked="" type="checkbox"/> Berms along River (site & river side)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>

SB-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & Outlets (SE)	<input checked="" type="checkbox"/> Rip-rap channels & outlets by River	<input checked="" type="checkbox"/> Drop inlets (W side)	<input checked="" type="checkbox"/> Access Road near unit
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-4

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Culvert inlets & outlets (NE & S sides)	<input checked="" type="checkbox"/> Down chutes (S Side)	<input checked="" type="checkbox"/> Drop inlet (N side)	<input checked="" type="checkbox"/> Berms along River (site & river side)
<input checked="" type="checkbox"/> Access road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SB-5

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Gas Vents
<input checked="" type="checkbox"/> Berms along River and E side	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FAB 1-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & S FAB1-2; SW FAB3)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

FAS & FARA

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Culvert inlets & outlets (E & N FAS; E FARA)
<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EL, PB 1-2, PB-3

<input checked="" type="checkbox"/> Vegetation	<input checked="" type="checkbox"/> Erosion	<input checked="" type="checkbox"/> Settlement	<input checked="" type="checkbox"/> Rip-rap Channels
<input checked="" type="checkbox"/> Culvert inlets & outlets (E & W EL; NW PB-1-2; S PB-3)	<input checked="" type="checkbox"/> Access Road near unit	<input type="checkbox"/>	<input type="checkbox"/>

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 1

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 11/29/2018



Photo Description: 20' x 40' area of former standing water adjacent to LS-2 (wet but no standing water).

Photo Number: 2

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 11/29/2018



Photo Description: 20' x 40' area of former standing water adjacent to LS-2

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 3

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 11/29/2018



Photo Description: Rills forming on access road to LS-1 west of VB-4, 5, & 6.

Photo Number: 4

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 11/29/2018



Photo Description: Standing water at access path to LS-1 west of VB-4, 5, & 6.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 5

Unit: OU-10

Basin/Landfill:

VB-4, 5, & 6

Date : 11/29/2018



Photo Description: Source of water near LS-1; exposed fabric on western slope of VB-4, 5, & 6 – no flow noted.

Photo Number: 6

Unit: OU-10

Basin/Landfill:

VB-2&3, and NLF

Date : 11/29/2018



Photo Description: Standing water southeast of VB-2&3.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 7

Unit: OU-7

Basin/Landfill:

VB-2&3, and NLF

Date : 11/29/2018



Photo Description: Bare soil (~10' x30') with rills southeast of VB-2&3 (Sediment basin between NLF and VB-2&3).

Photo Number: 8

Unit: OU-7

Basin/Landfill:

VB-2&3, and NLF

Date : 11/29/2018



Photo Description: Bare soil (~10' x30') with rills southeast of VB-2&3 (Sediment basin between NLF and VB-2&3).

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 9

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018



Photo Description: Sediment building up at end of culvert under access road.

Photo Number: 10

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018



Photo Description: Bare patches and spotty vegetation in southeast corner of VB-10. Grass is starting to fill in.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 11

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018



Photo Description: Bare patches and exposed matting at down chute in south side of VB-10.

Photo Number: 12

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018



Photo Description: Bare patches and exposed matting at down chute on south side of VB-10.

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 13

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018



Photo Description: Bare soil in southwest corner of VB-10. Grass beginning to fill in.

Photo Number: 14

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018



Photo Description: Rills forming across roadway in southwest corner of VB-10

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia



Photo Number: 15

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018

Photo Description: Standing water in southeast section of VB-10 (30' x 30').



Photo Number: 16

Unit: OU-7

Basin/Landfill:

VB-10

Date : 11/29/2018

Photo Description: Standing water in southwest section of VB-10 (30' x 30').

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 17

Unit: OU-7

Basin/Landfill:

VB-9

Date : 11/29/2018



Photo Description: Standing water and additional settlement observed to previously repaired area of settlement on VB-9 (30' x 40').

Photo Number: 18

Unit: OU-7

Basin/Landfill:

VB-9

Date : 11/29/2018



Photo Description: Standing water and additional settlement observed to previously repaired area of settlement on VB-9 (30' x 40').

Quarterly Inspection Report Photographic Log
Avtex Superfund Site
Front Royal, Virginia

Photo Number: 19

Unit: NTCRA Basins

Basin/Landfill:

SB-1

Date : 11/29/2018



Photo Description: Standing water (20'x40') in front of northernmost inlet between SB-3 and SB-2.

Photo Number: 20

Unit: NTCRA Basins

Basin/Landfill:

SB-1

Date : 11/29/2018



Photo Description: Standing water (20'x20') in front of the second to northernmost inlet between SB-3 and SB-2.

